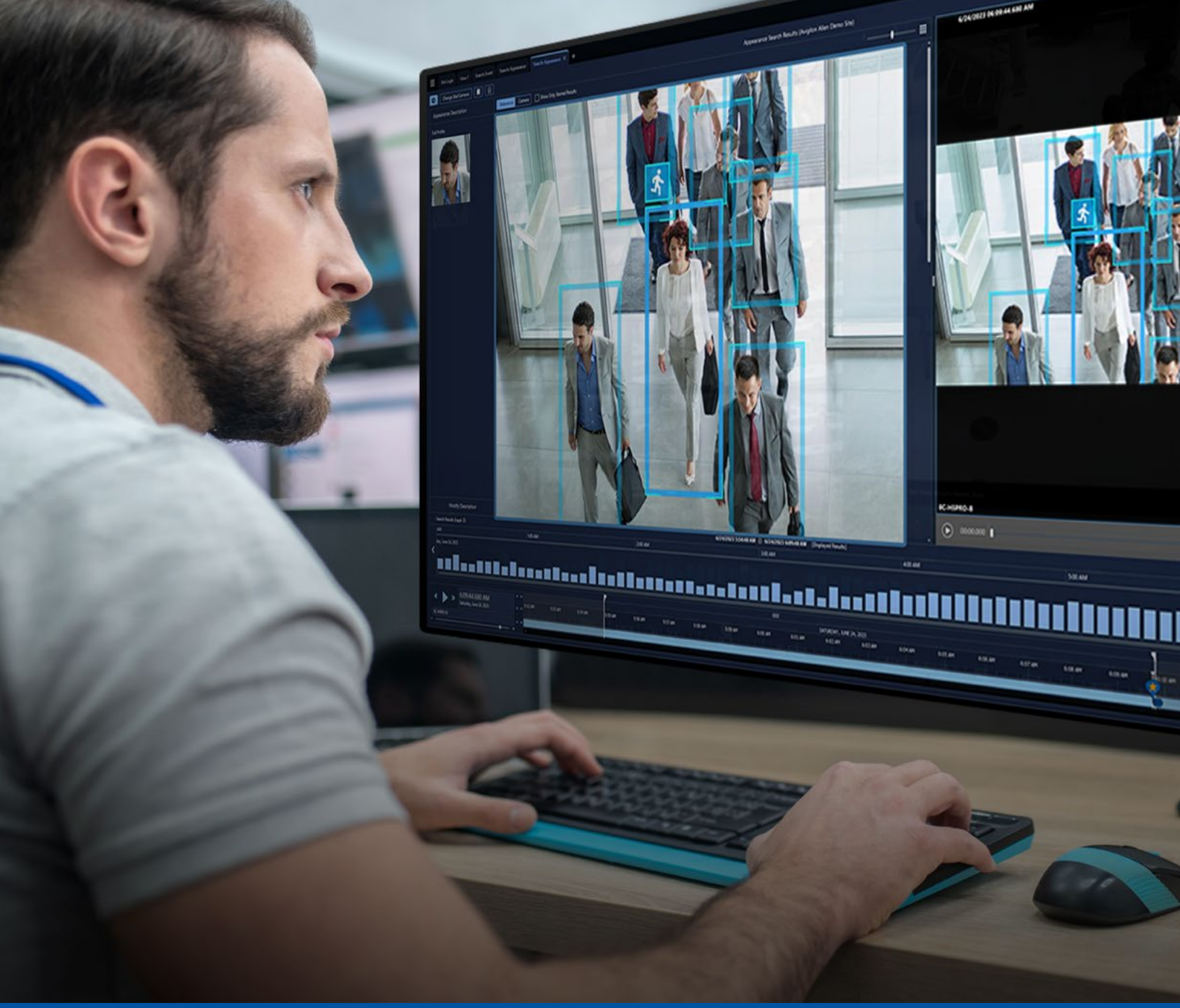

PRODUCT **CATALOG**

VIDEO SECURITY & ACCESS CONTROL SOLUTIONS

MOTOROLA SOLUTIONS

AVIGILON™

THE FIRST AND ONLY MISSION-CRITICAL ECOSYSTEM

Motorola Solutions has created the mission-critical ecosystem built for commercial business. It shares knowledge across your entire operation to enable powerful collaboration, streamline workflows and drive performance. A single platform — where communications, software, video and services operate seamlessly together — to reveal the insights which drive meaningful change.

VIDEO SECURITY & ACCESS CONTROL

KNOW WHAT IS HAPPENING. ACT WITH CERTAINTY.

Our expansive portfolio of cameras, access control, infrastructure and management software is combined with powerful, AI-enabled analytics that take your video system from passive observer to active partner.

With high-definition cameras that continuously scan, analyze and learn from their environment, you get unprecedented visual detail combined with situational awareness to inform the best response.

Investigations that once took hours or days, now take minutes with advanced search capabilities and integrations across the ecosystem that enable effortless sharing and collaboration.

At Motorola Solutions, we create a safer world.

RISK GROWS IN THE GAPS

SOLUTIONS FOR COMMERCIAL BUSINESS

The lack of visibility to what's happening in your business creates inefficiencies, leads to poor decision-making and allows risk to thrive. We're shaping the future of business with an adaptable network of cameras with built-in intelligence to bring forward the information enterprise needs to do its work.

Fixed and mobile security solutions capture the critical details that our integrated analytics platform scans to identify the relevant information to share across the organization.

When analytics work for you to identify patterns, hotspots and unusual activities, you have the knowledge to protect your business and grow. Our vision is to turn the masses of data that video networks capture into a powerful engine of unprecedented insights and data-driven decision making. So resources are better deployed, performance is driven, and risk is removed.

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UNITY CAMERAS & SENSORS

The Motorola Solutions Avigilon Unity on-premise portfolio offers a complete video security solution, with cutting-edge camera and sensor technologies that are embedded with features such as smart analytics to help focus your attention on the events that matter most. Our fixed camera portfolio includes cameras and technologies for any application, from 1–61 MP resolution in fixed, moving and multisensor options, to infrared (IR) and LightCatcher™ technology to help you see more in dark environments, to a 360-degree view for broad coverage with fewer cameras.

H6A CAMERAS

MSRP FROM $1,180

Elevate your situational awareness to new heights with this powerful line of cameras that can run multiple edge-based analytics simultaneously.

SPECIFICATIONS

MODEL NAME	INDOOR DOME		OUTDOOR DOME		BULLET
PART NUMBER	2.0C-H6A-D1 2.0C-H6A-D2 2.0C-H6A-D1-IR 2.0C-H6A-D2-IR 4.0C-H6A-D1 4.0C-H6A-D2 4.0C-H6A-D1-IR 4.0C-H6A-D2-IR	6.0C-H6A-D1 6.0C-H6A-D2 6.0C-H6A-D1-IR 6.0C-H6A-D2-IR 8.0C-H6A-D1 8.0C-H6A-D2 8.0C-H6A-D1-IR 8.0C-H6A-D2-IR	2.0C-H6A-DO1 2.0C-H6A-DO2 2.0C-H6A-DO1-IR 2.0C-H6A-DO2-IR 4.0C-H6A-DO1 4.0C-H6A-DO2 4.0C-H6A-DO1-IR 4.0C-H6A-DO2-IR	6.0C-H6A-DO1 6.0C-H6A-DO2 6.0C-H6A-DO1-IR 6.0C-H6A-DO2-IR 8.0C-H6A-DO1 8.0C-H6A-DO2 8.0C-H6A-DO1-IR 8.0C-H6A-DO2-IR	2.0C-H6A-BO1-IR 4.0C-H6A-BO1-IR 6.0C-H6A-BO1-IR 8.0C-H6A-BO1-IR
Resolution	2 MP, 4 MP, 6 MP, 8 MP				
Image Sensor	2 MP: 1/2.8" progressive scan CMOS 4 / 6 / 8 MP: 1/1.8" progressive scan CMOS				
Max. Dynamic Range (dB)	2 MP: 130 dB, 4 MP: 120 dB, 6 MP: 144 dB, 8 MP: 144 dB				
Max. Image Rate (50 Hz/60 Hz)	2 MP: 50 fps/60 fps, 4 MP: 50 fps/60 fps, 6 MP: 25 fps/30 fps, 8 MP: 25 fps/30 fps				
Environmental	IK10		IK11, IP66/67/68, NEMA Type 4X, NEMA TS2		IK10, IP66/67/68, NEMA Type 4X, NEMA TS2

LENS & IR ILLUMINATION		2.8-12 MM LENS (DOME/BULLET)	4.4-9.3 MM LENS (DOME/BULLET)	10.9-29 MM LENS (DOME ONLY)
Max. IR Illumination Distance (high power 850 nm LEDs)	Dome	50 m (164 ft) full tele 25 m (82 ft) full wide	50 m (164 ft) full tele 25 m (82 ft) full wide	70 m (230 ft) full tele 40 m (131 ft) full wide
	Bullet	50 m (164 ft), full tele 30 m (98 ft), full wide	70 m (229 ft), full tele 30 m (131 ft), full wide	N/A
Min. Illumination (at 33 ms shutter speed)	2 MP	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.01 lux in color mode	N/A	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode
	4 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.008 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode
	6 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.006 lux in monochrome mode; 0.02 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.008 lux in monochrome mode; 0.03 lux in color mode
	8 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.006 lux in monochrome mode; 0.02 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.008 lux in monochrome mode; 0.03 lux in color mode
Horizontal Field of View (H) & Vertical Field of View (V) (16:9)	2 MP	27° – 119° (H), 15° – 64° (V)	N/A	11° – 30° (H), 6° – 16.5° (V)
	4 MP	N/A	47° – 111° (H), 26° – 57° (V)	15° – 42° (H), 9° – 23° (V)
	6 MP	N/A	47° – 109° (H), 26° – 57° (V)	15° – 42° (H), 9° – 23° (V)
	8 MP	N/A	47° – 109° (H), 26° – 57° (V)	15° – 42° (H), 9° – 23° (V)

KEY FEATURES

- AdaptAI Video Analytics
- Audio Analytics
- Optional IR Illumination
- Conformant with ONVIF® Profile S, T, G and M
- H.264 & H.265 HDSM SmartCodec™ Technology, Motion JPEG
- FIPS-Compliant Cryptography Available[1] Integrated TPM & Secure Boot

LEARN MORE

BULLET DOME

AUDIO, POWER & STORAGE

Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level input and output
External I/O Terminals	1 x Relay In, 1 x Relay Out, 1 x 12 VDC out at 50 mA
External Power Source	12-24 VDC +/-10%
PoE Power Source	PoE: IEEE 802.3af Class 3 PoE+: IEEE 802.3at Class 4
Onboard Storage	Dual MicroSD/microSDHC/microSDXC slot - video speed class card required. Class V10 or better recommended.

[1] Additional license required — see page 26.

H6X CAMERAS

MSRP FROM $2,046

Easily meet certain privacy requirements with this flexible line of cameras that features H6A capabilities, but have been designed with no built-in mic for effortless compliance.

SPECIFICATIONS

MODEL NAME	INDOOR / OUTDOOR DOME		BULLET
PART NUMBER	4.0C-H6X-DO1-IR 4.0C-H6X-DO2-IR	8.0C-H6X-DO1-IR 8.0C-H6X-DO2-IR	4.0C-H6X-BO1-IR 8.0C-H6X-BO1-IR
Resolution	4 MP, 6 MP, 8 MP		
Image Sensor	1/1.8" progressive scan CMOS		
Max. Dynamic Range (dB)	4 MP: 120 dB 6 MP: 144 dB 8 MP: 144 dB		
Max. Image Rate (50 Hz/60 Hz)	4 MP: 50 fps/60 fps 6 MP: 25 fps/30 fps 8 MP: 25 fps/30 fps		
Environmental	IK10	IK11, IP66/67/68, NEMA Type 4X, NEMA TS2	IK10, IP66/67/68, NEMA Type 4X, NEMA TS2

LENS & IR ILLUMINATION		4.4-9.3 MM LENS (DOME/BULLET)	10.9-29 MM LENS (DOME ONLY)
Max. IR Illumination Distance (high power 850 nm LEDs)	Dome	50 m (164 ft) full tele 25 m (82 ft) full wide	70 m (230 ft) full tele 40 m (131 ft) full wide
	Bullet	70 m (229 ft), full tele 30 m (131 ft), full wide	N/A
Min. Illumination (at 33 ms shutter speed)	4 MP	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.008 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode
	6 MP	With IR: 0 lux in monochrome mode Without IR: 0.006 lux in monochrome mode; 0.02 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.008 lux in monochrome mode; 0.03 lux in color mode
	8 MP	With IR: 0 lux in monochrome mode Without IR: 0.006 lux in monochrome mode; 0.02 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.008 lux in monochrome mode; 0.03 lux in color mode
Horizontal Field of View (H) & Vertical Field of View (V) (16:9)	4 MP	47° – 111° (H), 26° – 57° (V)	15° – 42° (H), 9° – 23° (V)
	6 MP	47° – 109° (H), 26° – 57° (V)	15° – 42° (H), 9° – 23° (V)
	8 MP	47° – 109° (H), 26° – 57° (V)	15° – 42° (H), 9° – 23° (V)

KEY FEATURES

- AdaptAI Video Analytics
- Conformant with ONVIF® Profile S, T, G and M
- Optional IR Illumination
- FIPS-Compliant Cryptography Available[1] Integrated TPM & Secure Boot
- H.264 & H.265 HDSM SmartCodec™ Technology, Motion JPEG

LEARN MORE

BULLET DOME

AUDIO, POWER & STORAGE

Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level input and output
External I/O Terminals	1 x Relay In, 1 x Relay Out, 1 x 12 VDC out at 50 mA
External Power Source	12-24 VDC +/-10%
PoE Power Source	PoE: IEEE 802.3af Class 3 PoE+: IEEE 802.3at Class 4
Onboard Storage	Dual MicroSD/microSDHC/microSDXC slot - video speed class card required. Class V10 or better recommended.

[1] Additional license required — see page 26.

UNITY H6SL CAMERAS

MSRP FROM $477

Protect people and property effortlessly with this versatile, analytics-enabled camera line that can fit into an extensive range of indoor and outdoor applications.

SPECIFICATIONS

MODEL NAME	INDOOR DOME		OUTDOOR DOME		BULLET	
PART NUMBER	2.0C-H6SL-D1 2.0C-H6SL-D1-IR 3.0C-H6SL-D1	3.0C-H6SL-D1-IR 5.0C-H6SL-D1 5.0C-H6SL-D1-IR	2.0C-H6SL-DO1 2.0C-H6SL-DO1-IR 3.0C-H6SL-DO1 3.0C-H6SL-DO1-IR	5.0C-H6SL-DO1 5.0C-H6SL-DO1-IR 8.0C-H6SL-DO1-IR	2.0C-H6SL-BO1-IR 3.0C-H6SL-BO1-IR 3.0C-H6SL-BO2-IR	5.0C-H6SL-BO1-IR 5.0C-H6SL-BO2-IR 8.0C-H6SL-BO1-IR
Resolution	2 MP, 3 MP, 5 MP, 8 MP					
Image Sensor	1/2.8" progressive scan CMOS					
Max. Dynamic Range (dB)	2 MP: 126 dB, 3 MP: 130 dB, 5 MP: 130 dB,8 MP: 130 dB					
Max. Image Rate (50 Hz/60 Hz)	2 MP: 50 fps/60 fps, 3 MP: 25 fps/30 fps, 5 MP: 25 fps/30 fps, 8 MP: 25 fps/30 fps					
Environmental	IK10		IK10, IP66/67, Type 4X		IK10, IP66/67, Type 4X	

LENS & IR ILLUMINATION		3.4-10.5 MM LENS (DOME)	3.4-10.5 MM LENS (BULLET)	10.9-29 MM LENS (BULLET ONLY)	4.4-9.3 MM LENS (BULLET ONLY)
Max. IR Illumination Distance (high power 850 nm LEDs)	2 MP	30 m (100 ft), full tele 20 m (65 ft), full wide	50 m (164 ft), full tele 30 m (100 ft), full wide	N/A	N/A
	3 MP	30 m (100 ft), full tele 20 m (65 ft), full wide	40 m (131 ft), full tele 20 m (65 ft), full wide	70 m (230 ft), full tele 30 m (100 ft), full wide	N/A
	5 MP	30 m (100 ft), full tele 20 m (65 ft), full wide	40 m (131 ft), full tele 20 m (65 ft), full wide	70 m (230 ft), full tele 30 m (100 ft), full wide	N/A
	8 MP	N/A		N/A	50 m (164 ft), full tele 30 m (100 ft), full wide
Min. Illumination (at 33 ms shutter speed)	2 MP	With IR: 0 lux in monochrome Without IR: 0.01 lux in color; 0.005 lux in monochrome		N/A	N/A
	3 MP	With IR: 0 lux in monochrome Without IR: 0.04 lux in color; 0.02 lux in monochrome		With IR: 0 lux in monochrome Without IR: 0.04 lux in color; 0.02 lux in monochrome	N/A
	5 MP	With IR: 0 lux in monochrome Without IR: 0.04 lux in color; 0.02 lux in monochrome		With IR: 0 lux in monochrome Without IR: 0.04 lux in color; 0.02 lux in monochrome	N/A
	8 MP	N/A		N/A	With IR: 0 lux in monochrome Without IR: 0.02 lux in color; 0.01 lux in monochrome
Horizontal Field of View (H) & Vertical Field of View (V)	2 MP	101° - 31° (H), 53° - 17° (V)		N/A	N/A
	3 MP	95° - 28° (H), 69° - 21° (V)		28° - 10° (H), 21° - 7° (V)	N/A
	5 MP	95° - 28° (H), 69° - 21° (V)		28° - 10° (H), 21° - 7° (V)	N/A
	8 MP	N/A		N/A	103° - 47° (H), 54° - 26° (V)

KEY FEATURES

- Next-Generation Video Analytics
- Optional IR Illumination
- Wide Dynamic Range
- Conformant with ONVIF® Profile S, T, G and M
- H.264 & H.265 HDSM SmartCodec™ Technology, Motion JPEG
- FIPS-Compliant Cryptography Available[1] Integrated TPM & Secure Boot

LEARN MORE

BULLET DOME

AUDIO, POWER & STORAGE

Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm In, Alarm Out
Microphone	Optional microphone accessory sold separately (Indoor Dome model only)
PoE Power Source	IEEE 802.3af Class 3 compliant, 12VDC Aux (Bullet only)
Onboard Storage	microSD/microSDHC/microSDXC slot – video speed class card required. Class V10 or better recommended.

[1] Additional license required — see page 26.

H6 MINI DOME CAMERA

MSRP FROM $501

Protect indoor spaces with this small yet mighty camera that combines high-quality images of up to 5 MP, a wide field of view and efficient bandwidth management in a compact design.

SPECIFICATIONS

MODEL NAME	2 MP H6 MINI DOME	3 MP H6 MINI DOME	5 MP H6 MINI DOME
PART NUMBER	2.0C-H6M-D1-IR 2.0C-H6M-D1	3.0C-H6M-D1-IR 3.0C-H6M-D1 3.0C-H6M-D2-IR	5.0C-H6M-D1-IR 5.0C-H6M-D2-IR
Resolution (R)	2.0 MP	3.0 MP	5.0 MP
Image Sensor	1/2.8 " Progressive Scan CMOS		
Max. Dynamic Range (dB)	WDR Off: 100 dB WDR On: 120 dB		
Max. Image Rate	(50 Hz/60 Hz): 25 fps/30 fps		
Environmental	N/A		
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)		

LENS & IR ILLUMINATION	2 MP H6 MINI DOME	3 MP H6 MINI DOME	5 MP H6 MINI DOME
Lens	2.95 mm fixed	D1: 2.95 mm fixed D2: 2.4 mm fixed	
IR Illumination (high power 850 nm LEDs)	10 m (33 ft) max. distance at 0 lux		
Horizontal Field of View (HFOV)	(16:9) 108°	D1: 100° D2: 123°	
Vertical Field of View (VFOV)	(16:9) 61°	D1: (4:3) 75° | (16:9) 54° D2: (4:3) 93° | (16:9) 69°	
Min. Illumination	With IR: 0 Without IR: 0.005 lux in monochrome mode; 0.01 lux in color mode	With IR: 0 Without IR: 0.01 lux in monochrome mode; 0.02 lux in color mode	

KEY FEATURES

- Next-Generation Video Analytics
- Wide Field of View
- Wide Dynamic Range Support
- Conformant with ONVIF® Profile S, T and G
- FIPS-Compliant Cryptography Available[1]
- H.264 & H.265 HDSM SmartCodec™ Technology, Motion JPEG
- Quick & Easy Installation
- Optional IR Illumination

LEARN MORE

AUDIO, POWER & STORAGE

Audio Input/Output	N/A
External I/O Terminals	N/A
Power Consumption	6 W
Power Source	PoE: IEEE 802.3af Class 2 compliant
Onboard Storage	microSD/microSDHC/microSDXC slot – video speed class card required. Class V10 or better recommended.

[1] Additional license required — see page 26.

H5 PRO CAMERAS

MSRP FROM $4,426

The Avigilon H5 Pro Camera Line captures the best-in-class image details over vast areas, providing maximum coverage options through our most powerful and innovative ultra high definition cameras yet.

SPECIFICATIONS

MODEL NAME	8 MP (4K ULTRA HD) H5 PRO	16 MP H5 PRO	26 MP H5 PRO	40 MP H5 PRO	61 MP H5 PRO
PART NUMBER	8C-H5PRO-B	16C-H5PRO-B	26C-H5PRO-B	40C-H5PRO-B	61C-H5PRO-B
Resolution	8 MP (4K)	16 MP (5K)	26 MP (6K)	40 MP (8K)	61 MP (10K)
Image Sensor (progressive scan CMOS)	27.2 mm (Type 1.8)			43.3 mm (Type 2.7)	
Max. Dynamic Range	WDR Off: 70 dB WDR On: 120 dB				
Max. Image Rate (50 Hz / 60 Hz)	WDR Off: 25 fps / 24fps WDR On: 16.7 fps / 17.1 fps		16:9: 16.7 fps / 17.1 fps 3:2: 14.3 fps / 15 fps	WDR Off: 10 fps WDR On: 8.3 fps / 8.6 fps	3:2: 7 fps 16:9: 8.3 fps / 8.6 fps
Max. IR Illumination Distance	–				
Environmental	IP66 rating for water resistance with optional appropriate housing				
Lens	Dependent on selected lens capability – see page 27 for lens options				

KEY FEATURES

- Next-Generation Video Analytics[1]
- Unusual Activity Detection[1]
- Avigilon Appearance Search Technology[1]
- Facial Recognition Technology[1]
- FIPS-Compliant Cryptography Available[2]
- Conformant with ONVIF Profile S, T[1] and G
- Extended Temperature Range
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG
- LightCatcher Technology
- Wide Dynamic Range
- Audio Recording Capabilities[3]
- No Face Mask Detection & Occupancy Counting[1]

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level I/O, A/V mini-jack (3.5mm)
External I/O Terminals	Alarm in, alarm out
External Power Source	VDC: 12 V ± 10%, 18 W; VAC: 24 V ± 10%, 21 VA
PoE Power Source	IEEE802.3at Class 4 compliant
Onboard Storage	2xmicroSD/microSDHC/microSDXC slot – video speed class required. Class V10 or better recommended.

[1] Not available on H5 Pro 61 MP models.
[2] Additional license required — see page 26.
[3] Optional.

H5A CAMERAS

MSRP FROM $1,180

Features next-generation video analytics to provide a smarter and more powerful video security solution from the moment you set it up.

SPECIFICATIONS

MODEL NAME	H5A DOME (INDOOR SURFACE)				H5A DOME (IN-CEILING)				H5A DOME (OUTDOOR SURFACE)					H5A DOME (PENDANT)				
PART NUMBER	R.0C-H5A-DL				R.0C-H5A-DCL				R.0C-H5A-DOL					R.0C-H5A-DPL				
WITH OPTIONAL IR ILLUMINATORS	R.0C-H5A-DL-IR				R.0C-H5A-DCL-IR				R.0C-H5A-DOL-IR					R.0C-H5A-DPL-IR				
Resolution (MP) R	2	4	6	8	2	4	6	8	2	4	5	6	8	2	4	5	6	8
Max. Dynamic Range (dB)	132	126	120		132	126	120		132	126	126	120		132	126	126	120	
Max. IR Illumination Distance (at 0 lux)	35 m (115 ft)		30 m (98 ft)		35 m (115 ft)		30 m (98 ft)		35 m (115 ft)		–	30 m (98 ft)		35 m (115 ft)		–	30 m (98 ft)	
Image Sensor (progressive scan CMOS)	1/2.8"		1/1.8"		1/2.8"		1/1.8"		1/2.8"			1/1.8"		1/2.8"			1/1.8"	
Environmental	–								IP66 / IP67 weather rating, IK10 impact rating									
Onboard Storage	microSD / microSDHC / microSDXC slot – video speed class required. Class V10 or better recommended.																	

LENS OPTIONS L																		
1	3.3-9 mm F1.3, P-Iris	Angle of View		34°- 99°	34°- 92°	–	34°-99°	34°- 92°	–	34°-99°	34°- 92°	–	34°- 99°	34°- 92°	–
		Minimum Illumination (lux)	Color	0.027	0.03	–	0.027	0.03	–	0.027	0.03	–	0.027	0.03	–
			Mono	0.014	0.015	–	0.014	0.015		0.014	0.015		0.014	0.015	
1	4.9-8 mm F1.8, P-Iris	Angle of View		–	52° – 92°		–	52° – 92°		–	52° – 92°		–	52° – 92°	
		Minimum Illumination (lux)	Color	–	0.055		–	0.055		–	0.055		–	0.055	
			Mono		0.028			0.028			0.028			0.028	
2	9-22mm F1.6, P-Iris	Angle of View		14° – 31°		–	14° – 31°		–	14° – 31°		–	14° – 31°		–
		Minimum Illumination (lux)	Color	0.052	0.058	–	0.052	0.058	–	0.052	0.058	–	0.052	0.058	–
			Mono	0.026	0.029	–	0.026	0.029	–	0.026	0.029	–	0.026	0.029	–

KEY FEATURES

- Next-Generation Video Analytics
- Maximum Image Rate of 30 fps
- LightCatcher Technology
- Wide Dynamic Range Support
- Conformant with ONVIF® Profile S, T and G
- H.264 & H.265 HDSM SmartCodec™ Technology, Motion JPEG
- Remote Zoom and Focus
- FIPS-Compliant Cryptography Available[1]

LEARN MORE

AUDIO & POWER

Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level input/output
External I/O Terminals	Alarm in, alarm out
External Power Source	VDC: 12V, VAC: 24V
PoE Power Source	IEEE802.3af Class3 compliant

[1] Additional license required — see page 26.

Part number varies based on camera resolution R and lens option number L.

ONVIF is a trademark of ONVIF, Inc.

H5A CAMERAS

MSRP FROM $1,180

Features next-generation video analytics to provide a smarter and more powerful video security solution from the moment you set it up.

SPECIFICATIONS

MODEL NAME	H5A BOX				H5A BULLET				
PART NUMBER	R.0C-H5A-BL				–				
WITH OPTIONAL IR ILLUMINATORS	–				R.0C-H5A-BOL-IR				
Resolution (MP) R	2	4	6	8	2	4	5	6	8
Image Sensor (progressive scan CMOS)	1/2.8"		1/1.8"		1/2.8"			1/1.8"	
Max. Dynamic Range	132 dB	126 dB	120 dB		132 dB	126 dB		120 dB	
Max. IR Illumination Distance (at 0 lux)	–				90 m (295 ft)[1]			50 m (164 ft)	
Environmental	–				IP66 / IP67 weather rating, IK10 impact rating				
Onboard Storage	SD card slot – video speed class required. Class V10 or better recommended.								

LENS OPTIONS[3] L (REMOTE ZOOM AND FOCUS)									
2	3.3-9 mm F1.3, P-Iris	Angle of View	34° – 99°	34° – 92°	–	34° – 99°	34° – 92°	–	
		Minimum Illumination (color / monochrome)	0.027 lux / 0.014 lux	0.03 lux / 0.015 lux	–	0.027 lux / 0 lux[2]	0.03 lux / 0 lux[2]	–	
2	4.9-8 mm F1.8, P-Iris	Angle of View	–		52° – 92°	–		52° – 92°	
		Minimum Illumination (color / monochrome)	–		0.055 lux / 0.028 lux	–		0.055 lux / 0 lux[2]	
3	9-22 mm F1.6, P-Iris	Angle of View	–	14° – 31°	–	14° – 31°		–	
		Minimum Illumination (color / monochrome)	–	0.058 lux / 0.029 lux	–	0.052 lux / 0 lux[2]	0.058 lux / 0 lux[2]	–	
1	4.7-84.6 mm F1.6, P-iris	Angle of View	4.1° – 60°	–					
		Minimum Illumination (color / monochrome)	0.039 lux / 0.02 lux	–					

KEY FEATURES

- Next-Generation Video Analytics
- Maximum Image Rate of 30 fps
- LightCatcher Technology
- Wide Dynamic Range Support
- Conformant with ONVIF® Profile S, T and G
- H.264 & H.265 HDSM SmartCodec™ Technology, Motion JPEG
- Remote Zoom and Focus
- FIPS-Compliant Cryptography Available[4]

LEARN MORE

BULLET BOX

AUDIO & POWER

Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level input/output
External I/O Terminals	Alarm in, alarm out
External Power Source	VDC: 12V, VAC: 24V
PoE Power Source	IEEE802.3af Class3 compliant

[1] With 9-22 mm lens. Max IR illumination distances varies based on lens and temperature - please refer to camera datasheet.
[2] With optional IR.
[3] Not all resolutions and lens combinations are valid. Please see product datasheet for details.
[4] Additional license required — see page 26.

Part number varies based on camera resolution R and lens option number L.

H5A MULTISENSOR CAMERAS

MSRP FROM $2,564

Ensure your site is covered from all angles by combining Next-Generation Video Analytics and three or four adjustable sensors into one powerful solution.

SPECIFICATIONS

MODEL NAME	3-SENSOR	4-SENSOR
PART NUMBER	9C-H5A-3MH 15C-H5A-3MH 24C-H5A-3MH	12C-H5A-4MH 20C-H5A-4MH 32C-H5A-4MH
Resolution (total / per sensor)	9 MP / 3 MP 15 MP / 5 MP 24 MP / 8 MP	12 MP / 3 MP 20 MP / 5 MP 32 MP / 8 MP
Image Sensor	1/2.8" CMOS	
Dynamic Range	WDR On: 120 dB, WDR Off: 80 dB	
Max. Image Rate (high frame rate mode; per sensor; 60 Hz / 50 Hz)	3 MP: 60 / 50 fps 5 MP: 40 / 33 fps 8 MP: 24 / 25 fps	3 MP: 40 / 33 fps 5 MP: 30 / 25 fps 8 MP: 20 / 20 fps
Environmental	IK10, IP66/67, NEMA 250 Type 4X, NEMA TS2	

LENS (PER SENSOR) & IR ILLUMINATION	3.3-5.7MM LENS		
	3 MP	5 MP	8 MP
Max. IR Illumination Distance (high power 850 nm LEDs)	30 m (98 ft) maximum distance at 0 lux when camera is mounted at 4 m (13 ft) off the ground		
Min. Illumination	0.020 lux (F1.5) in color mode 0.018 lux (F1.5) in mono mode 0 lux with optional IR illuminator	0.020 lux (F1.5) in color mode 0.018 lux (F1.5) in mono mode 0 lux with optional IR illuminator	0.020 lux (F1.5) in color mode 0.016 lux (F1.5) in mono mode 0 lux with optional IR illuminator
Lens and Horizontal Field of View Based on Aspect Ratio	53° - 97° (16:9) 53° - 99° (4:3)	53° - 97° (16:9) 53° - 99° (4:3)	58° - 106° (16:9) 43° - 74° (4:3)

KEY FEATURES

- Next-Generation Video Analytics
- Optional IR Illumination
- Conformant with ONVIF Profile S, T, G and M
- FIPS-Compliant Cryptography Available[1], Integrated TPM and Secure Boot
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG
- Rated IK10 for vandal resistance
- Rated IP66/67 and NEMA 250 Type 4X for water, dust and corrosion resistance
- Meets NEMA TS2 standards for traffic monitoring applications

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm in, alarm out
External Power Source	24 VDC ± 10 %; 24 VAC rms ± 10 %, 50 or 60 Hz
PoE Power Source	In-Ceiling Mount: 30 W IEEE 802.3at Type 2 (PoE+) Surface and Pendant Mounts: • With IR: 60 W (PoE++): IEEE 802.3bt Type 3, Cisco® UPoE or legacy high-power PoE • Up to 35% IR Power or without IR: 30 W IEEE 802.3at Type 2 (PoE+)
Onboard Storage	Dual MicroSD/microSDHC/microSDXC slot - video speed class card required. Class V10 or better recommended. The dual SD cards will work as one contiguous region of storage.

[1] Additional license required — see page 26.

H5A FISHEYE CAMERAS

MSRP FROM $1,048

Provides 360° panoramic views of large areas from a single vantage point. Offers superior situational awareness with no blind spots for a cost-effective solution, along with multiple mounting and accessory options for easy installation.

SPECIFICATIONS

MODEL NAME	SURFACE MOUNT DOME		IN-CEILING MOUNT INDOOR DOME	
PART NUMBER	8.0C-H5A-FE-DO1	12.0W-H5A-FE-DO1	8.0C-H5A-FE-DC1	12.0W-H5A-FE-DC1
WITH OPTIONAL IR ILLUMINATORS	8.0C-H5A-FE-DO1-IR	12.0W-H5A-FE-DO1-IR		
Resolution	8 MP	12 MP	8 MP	12 MP
Active Pixels	2048 x 2048	3008 x 3008	2048 x 2048	3008 x 3008
Image Sensor (progressive scan CMOS)	1/1.8"	1/2.3"	1/1.8"	1/2.3"
Max. Dynamic Range	120+ dB			
Max. Image Rate (50 Hz / 60 Hz)	25 fps / 30 fps			
Max. IR Illumination Distance (high power 850 nm LEDs, at 0 lux)	17 m (55 ft)	12 m (39 ft)	–	–
Environmental	IK10 Impact Rating, IP66 and IP67 Weather Rating		IP5X Rating	

LENS					
Fisheye, 1.4 mm, F/2.0	Field of View	360°	–	360°	–
	Minimum Illumination (color / monochrome)	With IR: 0 lux Without IR: (0.2 lux / 0.1 lux)	–	Without IR: (0.2 lux / 0.1 lux)	–
Fisheye, 1.6 mm, F/2.0	Field of View	–	360°	–	360°
	Minimum Illumination (color / monochrome)	–	With IR: 0 lux Without IR: (0.38 lux / 0.19 lux)	–	Without IR: (0.38 lux / 0.19 lux)

KEY FEATURES

- Next-Generation Video Analytics
- Unusual Activity Detection
- Avigilon Appearance Search Technology
- Adaptive IR Technology[2]
- Wide Dynamic Range Support
- Conformant with ONVIF Profile S, T and G
- FIPS-Compliant Cryptography Available[1]
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level input and output and built-in microphone (can be enabled)
External I/O Terminals	Alarm in, alarm out
External Power Source	With IR: VDC: 12 V ±10%, 26 W min Without IR: VDC: 12 V ±10%, 11 W min
PoE Power Source	With IR: PoE+: IEEE 802.3at Class 4 Without IR: PoE: IEEE 802.3af Class 3
Onboard Storage	2 × microSD/microSDHC/microSDXC slot – video speed class required. Class V10 or better recommended. Currently one of the two SD card slots is available for onboard storage.

[1] Additional license required — see page 26.

[2] Adaptive IR technology available on surface mount only.

H5A CORNER CAMERAS

MSRP FROM $1,771

Anti-ligature, no-grip and vandal-resistant, the H5A Corner camera can handle the harshest attempts to destroy, detach, attach to or disable it in high-risk environments.

SPECIFICATIONS

MODEL NAME	H5A CORNER, STAINLESS STEEL		H5A CORNER, COLD-ROLLED STEEL	
PART NUMBER	R C-H5A-CR1-IR-SS		R C-H5A-CR1-IR	
Resolution R	3 MP	5 MP	3 MP	5 MP
Image Sensor	1/2.8" progressive scan CMOS			
Max. Dynamic Range	WDR Off: 83 dB WDR On: 126 dB			
Max. Image Rate (50 Hz / 60 Hz)	WDR Off: 25 fps / 30 fps WDR On: 20 fps / 20 fps			
Max. IR Illumination Distance[1] (high power 940 nm LED)	15 m (49 ft)			
Environmental	IP66 and IP67 Weather Rating, NEMA 4X Enclosure Rating, IK10+ Impact Rating		IP66 and IP67 Weather Rating, IK10+ Impact Rating	

LENS (REMOTE ZOOM AND FOCUS)		
3 - 9 mm, F1.3, P-Iris	Horizontal Angle of View (16:9 and 4:3)	34° – 105°
	Vertical Angle of View (16:9 / 4:3)	19° – 57° / 26° – 77°
	Minimum Illumination (color / monochrome)	0.027 lux in color mode, 0.014 lux in monochrome mode, 0 lux with IR

KEY FEATURES

- Next-Generation Video Analytics
- Unusual Activity Detection
- Avigilon Appearance Search Technology
- Facial Recognition Technology
- Wide Dynamic Range Support
- Conformant with ONVIF Profile S, T and G
- FIPS-Compliant Cryptography Available[2]
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG
- Extended Temperature Range
- Invisible IR LED Light

LEARN MORE

STEEL

WHITE

AUDIO, POWER & STORAGE

Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level I/O or built-in microphone
External I/O Terminals	Alarm In, Alarm Out
External Power Source	VDC: 12 V ± 10%, 12 W min; VAC: 24 V ± 10%, 13 VA min
PoE Power Source	IEEE802.3af Class 3 compliant
Onboard Storage	microSD/microSDHC/microSDXC slot – video speed class required. Class V10 or better recommended.

[1] IR illumination power may be reduced at higher operating temperatures.

[2] Additional license required — see page 26.

Part number varies based on camera resolution R.

H5A DUAL HEAD CAMERAS

MSRP FROM $1,951

The Avigilon H5A Dual Head Camera is a cost-effective and low profile dual-sensor camera that brings enhanced security to any site, by increasing coverage and minimizing blind posts for those hard to secure areas.

SPECIFICATIONS

MODEL NAME	SURFACE MOUNT DUAL HEAD CAMERA	
PART NUMBER	R C -H5DH-D01-IR	
Resolution R	6 MP (2x 3 MP)	10 MP (2x 5 MP)
Image Sensor	1/2.7" progressive scan CMOS	
Max. Dynamic Range	WDR Off: up to 82 dB, WDR On: up to 120 dB	
Max. Image Rate (50 Hz / 60 Hz)	Analytics[1]: 24 fps / 25 fps High Frame Rate Mode: 30 fps / 25 fps	Analytics[1]: 15 fps / 12.5 fps High Frame Rate Mode: 24 fps / 20 fps
Max. IR Illumination Distance[2] (high power 850 nm LED)	Wide: 15 m (49 ft) , Tele: 30 m (98 ft)	
Environmental	UL/CSA/IEC 60950-22, IEC 62262 IK10 Impact Rating	
Lens	3.35-7.0 mm, F/1.93 remote focus and zoom	

KEY FEATURES

- Next-Generation Video Analytics
- Unusual Activity Detection
- Avigilon Appearance Search Technology
- Facial Recognition Technology
- Wide Dynamic Range Support
- Conformant with ONVIF Profile S and T
- FIPS-Compliant Cryptography Available[3]
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG
- Extended Temperature Range
- Invisible IR LED Light
- LightCatcher Technology
- Audio Recording Capabilities (Optional)

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level I/O
External I/O Terminals	Alarm In, Alarm Out
External Power Source	13W max
PoE Power Source	IEEE802.3af Class 3 compliant
Onboard Storage	2 × microSD/microSDHC/microSDXC slot – video speed class required. Class V10 or better recommended. Currently one of the two SD card slots is available for onboard storage.

[1] Maximum image rate with analytics enabled on all sensors.
[2] IR illumination power may be reduced at certain operating temperatures.
[2] Additional license required — see page 26.

Part number varies based on camera resolution R.

H5A MODULAR CAMERA

MSRP FROM $1,098*

The smallest Avigilon camera is designed for areas with limited space or that require a discreet monitoring solution.

SPECIFICATIONS: IMAGER MODULES

MODEL NAME	RIGHT ANGLE IMAGER MODULE	MICRO BULLET IMAGER MODULE	
PART NUMBER	3C-H5MOD-RP4	3C-H5MOD-MB2	5C-H5MOD-MB2
Resolution (MP)	3.0 MP	3.0 MP	5.0 MP
Image Sensor	1/2.7 " Progressive Scan		
Max. Dynamic Range (dB)	WDR Off: 82 dB WDR On: 120 dB		
Max. Image Rate	(50 Hz/60 Hz): 25 fps/30 fps		
Operating Temperature	-30 °C to +60 °C (-22 °F to 140 °F)		
Environmental	N/A	IP66 Weather Rating	
Lens	3.7 mm fixed pinhole aperture	2.8 mm fixed	
Horizontal Angle of View (HFOV)	92°	110°	
Vertical Angle of View (VFOV)	53°	80°	
Min. Illumination	0.1 lux		

KEY FEATURES

- Next-Generation Video Analytics
- Unusual Activity Detection
- Avigilon Appearance Search Technology
- Facial Recognition Technology
- Wide Dynamic Range Support
- Conformant with ONVIF Profile S, T and G
- FIPS-Compliant Cryptography Available[1]
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG

LEARN MORE

MICRO BULLET | RIGHT ANGLE | MAIN UNIT

MAIN UNIT

MODEL NAME		MAIN UNIT
PART NUMBER		H5A-MOD-2P
Max. Image Rate (Based on combined resolution of 1 or 2 imager modules)	High Frame Rate: (50 Hz/60 Hz)	(≤ 6 MP) 25 fps/30 fps (8 MP) 25 fps/24 fps (10 MP) 20 fps/24 fps
	Full Feature Mode: (50 Hz/60 Hz)	(≤ 5 MP) 25 fps/30 fps (6 MP) 25 fps/24 fps (8 MP) 20 fps/20 fps (10 MP) 12.5 fps/15 fps
Max. Dynamic Range		120 dB
Operating Temperature		-10 °C to +60 °C (14 °F to 140 °F)
Audio Compression Method		G.711 PCM 8 kHz, Opus
Audio Input/Output		Line level input and output
External I/O Terminals		Alarm In, Alarm Out
Power Consumption		13 W Max
Power Source		VDC: 12 V +/-10%, 11.5 W min PoE: IEEE 802.3af Class 3 compliant
Onboard Storage		2 x microSD/microSDHC/microSDXC slots - video speed class card required. Class V10 or better recommended. One of the two SD card slots is available for onboard storage.

* Based on 1x main unit + 1 x 3 MP imager module + 1 x 2m cable.

[1] Additional license required — see page 26.

H5A PTZ CAMERAS

MSRP FROM $3,526

Combines 360° views for wide area coverage and powerful 36x zoom for long range, evidentiary detail to help you monitor vast areas with ease.

SPECIFICATIONS

MODEL NAME	INDOOR IN-CEILING			INDOOR/OUTDOOR PENDANT		
PART NUMBER	R C-H5A-PTZ-DC36			R C-H5A-PTZ-DP36		
Resolution R	2 MP	4 MP	8 MP	2 MP	4 MP	8 MP
Image Sensor	1/2.8" progressive scan CMOS	1/2.5" Type "Exmor R" CMOS Sensor		1/2.8" progressive scan CMOS	1/2.5" Type "Exmor R" CMOS Sensor	
Optical Zoom	Image Stabilization Off: 36x, Image Stabilization On: 30x					
Pan	360°, endless, 300°/second					
Tilt	-10° to 90°, e-Flip, 300°/second					
Max. Dynamic Range	True WDR: 120+ dB	Digital WDR: 100+ dB		True WDR: 120+ dB	Digital WDR: 100+ dB	
Max. Image Rate	60 fps	30 fps		60 fps	30 fps	
Environmental	IK10 Impact Rating			IK10 Impact Rating, IP66 and IP67 Weather Rating, NEMA 4X Enclosure Rating		

LENS (REMOTE ZOOM AND FOCUS)					
4.3 mm to 129 mm, F/1.6 – F/4.7, autofocus	Horizontal Angle of View	63.7° – 1.9°	–	63.7° – 1.9°	–
	Vertical Angle of View	38.5° – 1.1°	–	38.5° – 1.1°	–
	Minimum Illumination (color / monochrome)	0.1 lux (F/1.6) / 0.03 lux (F/1.6)		0.1 lux (F/1.6) / 0.03 lux (F/1.6)	–
4.4 mm to 88 mm, F/2.0 – F/3.8	Horizontal Angle of View	–	69.7° – 2.2°	–	69.7° – 2.2°
	Vertical Angle of View	–	42.8° – 1.3°	–	42.8° – 1.3°
	Minimum Illumination (color / monochrome)	–	0.3 lux (F/2.0) / 0.09 lux (F/2.0)	–	0.3 lux (F/2.0) / 0.09 lux (F/2.0)

KEY FEATURES

- Next-Generation Video Analytics with Auto-Tracking
- Unusual Activity Detection
- Avigilon Appearance Search Technology
- Facial Recognition Technology
- Wide Dynamic Range Support
- Conformant with ONVIF Profile S, T and G
- FIPS-Compliant Cryptography Available[1]
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG

LEARN MORE

2 MP

4 MP / 8 MP

AUDIO, POWER & STORAGE

Audio Compression Method	Opus, G.711
Audio Input/Output	Line level input/output
External I/O Terminals	2 alarm in, 2 alarm out
External Power Source	24 VDC ±10%; 24 VAC rms ±10%, 50 or 60 Hz
PoE Power Source	60 W PoE: IEEE 802.3bt Class 6 PoE++, 60 W Cisco UPoE, Microsemi 60 W or higher midspans 30 W PoE: IEEE 802.3bt, 802.3at Class 4 PoE+
Onboard Storage	2 × microSD/microSDHC/microSDXC slot – video speed class required. Class V10 or better recommended.

[1] Additional license required — see page 26.

Part number varies based on camera resolution R.

H5A IR PTZ CAMERA

MSRP FROM $5,247

See up to 300 meters in complete darkness with this high-performing camera. Never miss a moment at large outdoor sites with its 360-degree views and ability to look up 20 degrees above the horizon.

SPECIFICATIONS

MODEL NAME	2 MP H5A IR PTZ	4 MP H5A IR PTZ	8 MP H5A IR PTZ
PART NUMBER	2.0C-H5A-IRPTZ-DP40-WP	4.0C-H5A-IRPTZ-DP36-WP	8.0C-H5A-IRPTZ-DP36-WP
Resolution	2 MP	4 MP	8 MP
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.5" Type "Exmor R" CMOS Sensor	
Max. Dynamic Range	120 dB	100 dB	
Max. Image Rate	60 fps	30 fps	
Environmental	NEMA TS2, Type 4X, IK10, IP66, 67 and 68		
Operating Temperature	-40 °C to + 60 °C (-40 °F to 140 °F)		

LENS		
Lens	4.25 to 170 mm, F/1.6 – F/4.95, autofocus	4.4 to 88 mm, F/2.0 - F/3.8
Horizional Angle of View	63.7 ° – 1.9 °	69.7 ° – 2.2 °
Zoom	40x (with image stabilization off), 30x (with image stabilization on)	36x (with image stabilization off), 30x (with image stabilization on)
Minimum Illumination	0.3 lux (F/2.0) in color mode; 0.02 lux (F/2.0) in monochrome	0.3 lux (F/2.0) in color mode; 0.09 lux (F/2.0) in monochrome
IR Illumination Range	300 m	150 m

KEY FEATURES

- Automated IR Illumination
- 20° Above the Horizon Look Up
- Next-Generation Video Analytics with Auto-Tracking
- Unusual Activity Detection
- FIPS-Compliant Cryptography Available
- Conformant with ONVIF Profile S, T and G
- Wide Dynamic Range Support
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG

LEARN MORE

AUDIO, POWER & STORAGE

Audio Input/Output	Line level input and output
External I/O Terminals	2 Alarm In, 2 Relay Out
External Power Source	24 VDC ±10%; 24 VAC rms ±10%, 50 or 60 Hz
PoE Power Source[2]	IEEE 802.3bt compliant Class 8 (90W) PoE: Phihong POE90U-1BT6-A-RC (Avigilon part number POE-INJ-BT-90W-NA)
Onboard Storage	MicroSD/microSDHC/microSDXC slot – video speed class card required. Class V10 or better recommended.

[1] Additional license required — see page 26.

[2] High power PoE is only guaranteed with the IEEE 802.3bt compliant Phihong POE90U-1BT. Contact Avigilon sales or Avigilon technical support for more information.

H5A RUGGED PTZ CAMERA

MSRP FROM $8,500

No matter how hard conditions get, this reliable and durable camera can withstand the most severe weather conditions, extreme impact and wind speeds up to 143 mph (230 kph).

SPECIFICATIONS

MODEL NAME	2 MP H5A RUGGED PTZ	4 MP H5A RUGGED PTZ	8 MP H5A RUGGED PTZ
PART NUMBER	2.0C-H5A-RGDPTZ-DP36	4.0C-H5A-RGDPTZ-DP36	8.0C-H5A-RGDPTZ-DP36
Resolution	2 MP	4 MP	8 MP
Image Sensor (progressive scan CMOS)	1/2.8" Progressive Scan CMOS	1/2.5" Type "Exmor R" CMOS Sensor	
Max. Dynamic Range	120+ dB	100 dB	
Max. Image Rate	Up to 60 fps	Up to 30 fps	
Environmental	Type 4X/6P; MIL-STD-167-1A and 810G; IK10; IP66, 67 and 68; NEMA TS2		
LENS			
Lens	4.3 to 129 mm, F/1.6 - F/4.7, autofocus	4.4 to 88 mm, F/2.0 - F/3.8	
Angle of View	Horizontal: 63.7° - 1.9° Vertical: 38.5° – 1.1°	Horizontal: 69.7° - 2.2° Vertical: 42.8° – 1.3°	
Zoom	36x[1]		
Minimum Illumination	0.1 lux (F/1.6) in color mode; 0.03 lux (F/1.6) in monochrome mode	0.3 lux (F/2.0) in color mode; 0.09 lux (F/2.0) in monochrome	
IR & WHITE LIGHT ILLUMINATION – OPTIONAL			
AVUEI8AA: IR Illuminator, 850 nm	Up to 100 m (328 ft)	Up to 30 m (98 ft)	
AVUEI8AAP: Long Distance IR Illuminator, 850 nm	Up to 200 m (656 ft)	Up to 75 m (246 ft)	
AVUEI9AA: IR Illuminator, 940 nm	Up to 75 m (246 ft)	Up to 20 m (66 ft)	
AVUEIWAA: White Light Illuminator	Up to 150 m (492 ft)	Up to 50 m (164 ft)	
AVUEIWAAP: Long Distance White Light Illuminator	Up to 200 m (656 ft)	Up to 100 m (328 ft)	

KEY FEATURES

- Next-Generation Video Analytics[2]
- Unusual Activity Detection[2]
- Avigilon Appearance Search Technology[2]
- Facial Recognition Technology[2]
- FIPS-Compliant Cryptography Available[3]
- Conformant with ONVIF Profile S, T and G
- Wide Dynamic Range Support
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG

LEARN MORE

AUDIO, POWER & STORAGE

Audio Input/Output	None
External I/O Terminals	2 Alarm In, 2 Alarm Out
External Power Source	24 VDC ±10% or 24 VAC rms ±10%, 50 or 60 Hz
PoE Power Source[4]	90 W PoE: Phihong POE90U-1BT6-A-RC (Avigilon part number POE-INJ-BT-90W-NA)
Onboard Storage	MicroSD/microSDHC/microSDXC slot – video speed class card required. Class V10 or better recommended.

[1] 36x zoom is achieved with Image Stabilization off. Image Stabilization set to on will provide 30x zoom
[2] Analytics and AI capabilities are based on the home position only.
[3] Additional license required — see page 26.
[4] High power PoE is only guaranteed with the Phihong POE90U-1BT6-A-RC (Avigilon part number POE-INJ-BT-90W-NA). Contact Avigilon Sales or Technical Support for more information.

H5A THERMAL CAMERAS

MSRP FROM $5,458

Obtain long-range perimeter protection with powerful heat-sensing technology that can see through complete darkness, smoke, mist and foliage.

SPECIFICATIONS

MODEL NAME	QVGA	VGA
PART NUMBER	320F-H5A-THC-BO50 320F-H5A-THC-BO24 320F-H5A-THC-BO16 320F-H5A-THC-BO12	640F-H5A-THC-BO24 640F-H5A-THC-BO18 640F-H5A-THC-BO12 640F-H5A-THR-BO50 640F-H5A-THR-BO32
Resolution	320 x 256 [can be scaled up to 640 x 512]	640 x 512 [can be scaled down to 320 x 256]
Image Sensor	Uncooled VOx Microbolometer	
Dynamic Range	-40°C to 225°C (-40°F to 437°F) [may vary based on operating temperature]	
Max. Image Rate	30 fps	
Environmental	IK10, IP66/67, NEMA 250 Type 4X	

PART NUMBER	LENS	ANGLE OF VIEW (H x V)
640F-H5A-THC-BO24	18.0 mm, F1.0	24.3° x 19.5°
640F-H5A-THC-BO18	24.3 mm, F1.0	18.0° x 14.4°
640F-H5A-THC-BO12	36.0 mm, F1.0	12.2° x 9.8°
320F-H5A-THC-BO50	4.3 mm, F1.0	50.0° x 40.0°
320F-H5A-THC-BO24	9.1 mm, F1.0	24.1° x 19.2°
320F-H5A-THC-BO16	13.8 mm, F1.0	16.0° x 12.8°
320F-H5A-THC-BO12	18.0 mm, F1.0	12.2° x 9.7°

KEY FEATURES

- Next-Generation Video Analytics
- Conformant with ONVIF Profile S, T, G and M
- Radiometric capabilities
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG
- Rated IK10 for vandal resistance
- Rated IP66/67 and NEMA 250 Type 4X for water, dust and corrosion resistance
- FIPS-Compliant Cryptography Available[1], Integrated TPM and Secure Boot

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm In, Alarm Out
External Power Source	VDC: 12V +/- 10%, 9W min. VAC: 24V +/- 10%, 15VA min.
PoE Power Source	IEEE802.3af Class 3 compliant
Onboard Storage	microSD/microSDHC/microSDXC slot – video speed class card required. Class V10 or better recommended

[1] Additional license required.

H5M CAMERAS

MSRP FROM $590

The Small and mighty H5M camera can handle tough environmental conditions while offering advanced AI technology for faster response times and simple installation.

SPECIFICATIONS

MODEL NAME	H5M	
PART NUMBER	R.0C-H5M-D01-IR	
Resolution (MP) R	2 MP	5 MP
Image Sensor (progressive scan CMOS)	1/2.8"	
Max. Dynamic Range (dual exposure)	110 dB	
Max. Image Rate	30 fps	24 fps
Max. IR Illumination Distance (at 0 lux)	15 m (50 ft)	
Environmental	-30 °C to +55 °C (-22 °F to 131 °F)	

LENS			
2.8mm, F1.2, IR Corrected	Angle of View	(16:9) 112° (5:4) 72° (4:3) 82°	(5:4) 103° (4:3) 104°
	Minimum Illumination (color / monochrome)	0.04 lux / 0.02 lux	0.02 lux / 0.01 lux

KEY FEATURES

- Unusual Motion Detection
- LightCatcher Technology
- Wide Dynamic Range Support
- Conformant with ONVIF Profile S and Profile T
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG

LEARN MORE

AUDIO, POWER & STORAGE

External I/O Terminals	None
PoE Power Source	IEEE802.3af Class 0 compliant
Onboard Storage	None

Part number varies based on camera resolution R.

H4 VIDEO INTERCOM

MSRP FROM $1,697

Integrates a fisheye camera with a high-performance intercom, featuring echo-canceling and noise reduction technologies, for clear two-way communication.

SPECIFICATIONS

MODEL NAME	H4 VIDEO INTERCOM
PART NUMBER	3.0C-H4VI-R01-IR
Resolution	3 MP
Image Sensor (progressive scan CMOS)	1/2.8"
Max. Dynamic Range	120 dB
Max. IR Illumination Distance (at 0 lux)	5 m (15 ft)
Environmental	IP66 weather rating, IK10 impact rating[1]

LENS		
Fisheye, 1.83 mm, F2.4, IR Corrected	Angle of View	170°
	Minimum Illumination	0 lux

KEY FEATURES

- Maximum Image Rate of 30 fps
- Wide Dynamic Range Support
- Avigilon Appearance Search Technology
- H.264 HDSM SmartCodec Technology, Motion JPEG
- SIP Support
- Conformant with ONVIF Profiles G and S
- LightCatcher Technology

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	Opus, G.711
Audio Input/Output	Built-in microphone with hardware disable / built-in speaker
External I/O Terminals	1 alarm in, 2 alarm out, 1 tamper out
External Power Source	VDC: 12V
PoE Power Source	IEEE802.3af Class 3 compliant
Onboard Storage	microSD/microSDHC/microSDXC slot

[1] IK08 Impact Rating on bubble.

HALO SMART SENSOR

MSRP FROM $2,226

Deter vaping in private areas such as bathrooms at schools, hospitals or hotel guest rooms with high accuracy. Detect changes in air quality, increased CO2 levels or gunshot sounds and be alerted instantly with the HALO IoT Smart Sensor 3C and its integration with Avigilon Unity Video.

SPECIFICATIONS

MODEL NAME	HALO SMART SENSOR
PART NUMBER	HALO-V2.00C
Dimensions	119mm x 62mm; 4.7" x 2.44"
Weight	0.365 kgs; 0.8 lbs
Opertating Temperature	Min: 0C (32F), Max: 50C (122F)
Power	PoE (IEEE 802.3af Class 3 Compliance) 11W
Relays / Outputs	1, Normally Closed, 48VDC at 1 amp
Alarm Triggers	Air Quality Index (AQI), Health Index, Vape, Vape THC, Aggression, Gunshot, Spoken Keyword, Tamper, Particulates, Carbon Dioxide Calibrated, Total Volatile Organic Compounds, Carbon Monoxide, Temperature/Humidity, Light Level, Sound Levels, Building Health, Motion Detection, Occupancy (People Counter)2, Panic Button
USB Port	USB 2.0
Ethernet Port	Ethernet (RJ45) for Tablet

KEY FEATURES

- All-In-One, Intelligent Device
- 2 in 1 Cable Installation
- Real-Time Alerts With Avigilon Unity Video
- Led-Colored Emergency Alerts

LEARN MORE

FIPS CRYPTOGRAPHY SUPPORT

Enables Avigilon cameras to be deployed at sites requiring FIPS-compliant cryptography. Configure FIPS compliant (FIPS 140-2 Level 1) cryptography mode for supported Avigilon cameras to encrypt data-in-flight to Avigilon FIPS Series Network Video Recorders (NVR).

OPTIONAL FIPS LICENSE AVAILABILITY

FIPS LEVEL		FIPS LEVEL 1 ENCRYPTION	INTEGRATED TPM
PART NUMBER		CAM-FIPS	
DESCRIPTION		Camera license to enable FIPS Level 1 cryptographic mode on H5A or H6 camera	An integrated TPM holds the camera's identity securely in a tamper-proof electronic enclosure, preventing even the most determined attacker from impersonating the device
		MSRP from $14[1]	
	H6A/H6X cameras	✓	✓
	H6 Mini Dome Cameras	✓	
	H5 Pro Cameras	✓	
	H5A Cameras	✓	
	H5A Fisheye Cameras	✓	
	H5A Corner Cameras	✓	
	H5A Dual Head Cameras	✓	
	H5A Modular Cameras	✓	
	H5A-PTZ Cameras	✓	
	H5A IR PTZ Cameras	✓	✓
	H5A Rugged PTZ Cameras	✓	
	H5A Multisensor Cameras	✓	✓
	H6SL Cameras	✓	✓
	H5A Thermal Cameras	✓	✓

[1] Based on CAM-FIPS (camera license) to enable FIPS Level 1 cryptographic mode on H5A cameras.

ACCESSORIES

H6A/H6X DOME CAMERAS

DESCRIPTION	PART NUMBER
Pendant NPT adapter	H6A-MT-NPTA1
Pendant wall arm, 1.5" NPT female, 20 cm (7.8") long	WLMT-1021
In-ceiling adapter	CLADP-1001
Metal ceiling panel for suspended ceiling installations	CLPNL-1011
Weather shield for dome cameras	DMSLD-1001
Replacement clear dome bubble	DMBBL-1001
Replacement IR dome bubble	DMBBL-1011
Optional smoked dome bubble, not compatible with the IR cameras	DMSBL-1001
USB adapter cable, for use with USB-AC56 Wifi install kit	CBLKIT-1011
USB Wifi adapter install kit (North America)	USB-AC56-NA-MSI
USB Wifi adapter install kit (Europe)	USB-AC56-EU-MSI
Camera sealing grommet, pack of 10	GROM-1001
Pipe sealing grommet, pack of 10	GROM-1011
Pole mount adapter	PLMT-1001
Corner mount adapter	CRNMT-1001
Avigilon Camera Gunshot Audio Analytics Channel, one per camera (H6A only)	CAM-AA-GUNSHOT
Avigilon Camera Gunshot Audio Analytics Channel, 180 day demo license. Please contact Avigilon Technical Support. (H6A only)	CAM-AA-GUNSHOT-180D

H6A/H6X BULLET CAMERAS

DESCRIPTION	PART NUMBER
Replacement BO1 bullet sunshield	H6A-BO-SHLD1
USB adapter cable, for use with USB-AC56 Wifi install kit	CBLKIT-1011
USB Wifi adapter install kit (North America)	USB-AC56-NA-MSI
USB Wifi adapter install kit (Europe)	USB-AC56-EU-MSI
Pole mount adapter	PLMT-1001
Corner mount adapter	CRNMT-1001
Avigilon Camera Gunshot Audio Analytics Channel, one per camera (H6A only)	CAM-AA-GUNSHOT
Avigilon Camera Gunshot Audio Analytics Channel, 180 day demo license. Please contact Avigilon Technical Support. (H6A only)	CAM-AA-GUNSHOT-180D

H6SL CAMERAS

DESCRIPTION	PART NUMBER
Wall Mount Arm for 1.5" NPT Pendant	CM-MT-WALL1
Pole Mount Adapter for CM-MT-WALL1	PLMT-1001
Corner Mount for CM-MT-WALL1	CRNMT-1001
USB WiFi Adapter Install Kit (North America)	USB-AC56-NA-MSI
USB WiFi Adapter Install Kit (Europe)	USB-AC56-EU-MSI
In-ceiling mounting adapter for H6SL Dome	SLSPCIL-1001
Pendant NPT adapter for H6SL Dome	H6SL-MT-NPTA1
Metal ceiling panel for suspended ceiling installations	DCLPNL-1001
Weather shield for H6SL Dome	H6SL-DO-SHLD1
Microphone accessory for Indoor H6SL Dome	ACMICR-1001
Clear lower dome for H6SL Outdoor Dome	H6SL-DD-CLER1
Smoked lower dome for H6SL Outdoor Dome	H6SL-DD-SMOK1
Clear lower dome for H6SL Indoor Dome	H6SL-DI-CLER1
Smoked lower dome for H6SL Indoor Dome	H6SL-DI-SMOK1
Adapter 3/4 inch conduit for H6SL Dome, 5-pack	CNCVR-1001

H6 MINI DOME CAMERA

DESCRIPTION	PART NUMBER
Pack of 5 black surface mount bezels	H6M-BZL1-BL
Pack of 5 grey surface mount bezels	H6M-BZL1-GRY
Grey in-ceiling mount adapter	H6M-MT-DCIL1
Black in-ceiling mount adapter	H6M-MT-DCIL1-BL
Grey pendant mount adapter	H6M-MT-NPTA1
Black pendant mount adapter	H6M-MT-NPTA1-BL

H5 PRO CAMERAS

TYPE	PART NUMBER
IP66-rated large housing w/ heater and wall arm	ES-HD-HWS-LG
Large housing w/ cooling fan and wall arm	ES-HD-CWS-LG
IP66-rated extra large housing w/ heater. Wall arm sold separately.	ES-HD-HS-XL

H5 PRO CAMERA LENS OPTIONS

DESCRIPTION	PART NUMBER
Sigma 28mm f/1.4	LEF2814SI
Sigma 30mm f/1.4	LEFS3014SI
Tamron 35mm f/1.4	LEF3514TA
Canon 40mm f/2.8	LEF4028CA
Sigma 50mm f/1.4	LEF5014SI
Canon 16-35mm f/2.8	LEF163528CA2
Sigma 18-35mm f/1.8	LEFS183518SI
Tamron 24-70mm f/2.8 VC	LEF247028TA2
Tamron 70-200mm f/2.8 VC	LEF7020028TA
Tamron 150-600mm f/5-6.3 VC	LEF1506005TA

ACCESSORIES

H5A DOME CAMERAS

TYPE	PART NUMBER
Clear dome bubble	H4A-DD-CLER1
	H4A-DC-CLER1
	H4A-DO-CLER1
	H4A-DP-CLER1
	H4A-DD-CLER1-BL*
	H4A-DC-CLER1-BL*
Smoke dome bubble	H4A-DD-SMOK1
	H4A-DC-SMOK1
	H4A-DO-SMOK1
	H4A-DP-SMOK1
	H4A-DD-SMOK1-BL*
Metal ceiling panel	H4A-DC-CPNL1
Indoor dome camera sidewall knockout plug, pack of 5	H4A-DD-SDWL1
Pendant NPT mount	H4A-MT-NPTA1
Pendant wall arm mount	H4A-MT-WALL1
Corner mount adapter	H4-MT-CRNR1
Pole mount adapter	H4-MT-POLE1
PoE injector	POE-INJ2-STD
USB WiFi adapter	H4-AC-WIFI1-NA
	H4-AC-WIFI2-EU

H5A BULLET CAMERAS

TYPE	PART NUMBER
Junction box	H4-BO-JBOX1
Corner mount adapter	H4-MT-CRNR1
Pole mount adapter	H4-MT-POLE1
PoE injector	POE-INJ2-STD
USB WiFi adapter	H4-AC-WIFI2-NA
	H4-AC-WIFI2-EU

H5A BOX CAMERAS

TYPE	PART NUMBER
Small Format Enclosure	ES-HD-HWS-SM
Standard Format Enclosure	ES-HD-HWS
Standard Format Enclosure for cameras with vented cooler	ES-HD-CWS
Optional PoE+ power module[1]	ES-HD-IPM
Large pole mount for pole diameter 210mm (8.2 in) to 225mm (8.85 in)	ES-HD-MNT-POLE-LG
Medium pole mount for pole diameter 80mm (3 in) to 150mm (5.9 in)	ES-HD-MNT-POLE-MD
Ceiling arm mount[2]	ES-HD-MNT-ARM

H5A MULTISENSOR CAMERAS

DESCRIPTION	PART NUMBER
Outdoor surface mount adapter, must order either a H5AMH-DO-COVR1 or H5AMH-DO-COVR1-SMOKE	H5AMH-AD-DOME1
Outdoor pendant mount adapter, must order one of WLMT-1001 or NPTA-1001 and one of H5AMH-DO-COVR1 or H5AMH-DO-COVR1-SMOKE	H5AMH-AD-PEND1
In-ceiling adapter, must order either a H5AMH-DC-COVR1 or H5AMH-DC-COVR1-SMOKE	H5AMH-AD-CEIL1
Dome bubble and cover, for outdoor surface mount or pendant mount, clear	H5AMH-DO-COVR1
Dome bubble and cover, for outdoor surface mount or pendant mount, smoked. Not recommended for low light applications	H5AMH-DO-COVR1-SMOKE
Dome bubble and cover, for in-ceiling mount, clear	H5AMH-DC-COVR1
Dome bubble and cover, for in-ceiling mount, smoked. Not recommended for low light applications	H5AMH-DC-COVR1-SMOKE
Pendant wall arm adapter, for use with H5AMH-AD-PEND1	WLMT-1001
Pendant NPT adapter for use with H5AMH-AD-PEND1	NPTA-1001
Aluminum pole mounting bracket, compatible with WLMT-1001	PLMT-1001
Aluminum corner mounting bracket, compatible with WLMT-1001	CRNMT-1001
Metal ceiling panel	CPNL-1001
Optional IR illuminator ring, for use with H5AMH-DO-COVR1	H4AMH-AD-IRIL1
Indoor single port PoE+ 30W injector. Injector operational temperature range -20 °C to +40 °C (-4 °F to 104 °F)	PD-9001 GR/AT/AC-*-MSI
Gigabit 802.3bt 60 W PoE Injector, single port.	POE60U-1BTE
USB Wi-Fi adapter	USB-AC56-NA-MSI / USB-AC56-EU-MSI
Cable kit replacement for Multi Head cameras	CBLKT-1001
Camera license to enable FIPS cryptographic mode on the H5A Multisensor or any H5A camera	CAM-FIPS

H5A FISHEYE CAMERAS

TYPE	PART NUMBER
NPT adapter for the H5A Fisheye surface mount camera	H5A-FE-MT-NPTA1
Pendant wall mount, compatible with H5A-FE-MT-NPTA1	CM-MT-WALL1
Aluminum corner mounting bracket, compatible with CM-MT-WALL1	H4-MT-CRNR1
Package of 3 dome replacement parts for H5A Fisheye surface mount camera	H5A-FE-DD-CLER1
Metal ceiling panel to reinforce the existing ceiling tile in suspended ceiling installations for H5A Fisheye in-ceiling mount camera	H5A-FE-DC-CPNL1

H5A CORNER CAMERAS

DESCRIPTION	PART NUMBER
USB Wi-Fi adapter	H4-AC-WIFI2-NA / H4-AC-WIFI2-EU
3.5 mm jack with 1.8 m fly wire	CM-AC-AVIO1

ACCESSORIES

H5A DUAL HEAD CAMERA

TYPE	PART NUMBER
Replacement Dome Cover	H5DH-DO-CLER1
Optional Junction Box Mounting Adapter	H5DH-DO-JBOX1
Optional Pendant NPT Mounting Adapter	H5DH-MT-NPTA1
Pendant Wall Mount Arm	CM-MT-WALL1
Corner Mounting Bracket	H4-MT-CRNR1
Pole Mounting Bracket	H4-MT-POLE1
PoE injector	POE-INJ2-STD
USB WiFi adapter	H4-AC-WIFI2-NA
	H4-AC-WIFI2-EU

H5A MODULAR CAMERA

TYPE	PART NUMBER
2 m (6 ft) HD BNC Cable for H5A Modular Camera Imager	CBL2M-1001
5 m (16 ft) HD BNC Cable for H5A Modular Camera Imager	CBL5M-1001
Din rail mount for H5A Modular Camera Main Unit	BRKTMD-1001
Replacement L Bracket for H5A Modular Micro Bullet Imager	BRKTMD-1011
Replacement Flat Bracket for H5A Modular Right Angle Imager	BRKTMD-1021
Replacement Trim Ring Bracket for H5A Modular Micro Bullet Imager	BRKTMD-1031

H5A PTZ CAMERA

TYPE	PART NUMBER
NPT Pendant Adapter	IRPTZ-MNT-NPTA1
Wall Arm Mount	IRPTZ-MNT-WALL1
Pole Mounting Bracket	H4-MT-POLE1
Corner Mounting Bracket	H4-MT-CRNR1
Metal Ceiling Panel for In-Ceiling Installation	PTZMH-DC-CPNL1
Clear Bubble Assembly - Replacement	PTZH5A-CLER1
Smoked Bubble Assembly - Replacement	PTZH5A-SMOK1
Gigabit 802.3bt 60W PoE Injector, single port.	POE-INJ-BT-60W-NA
30W PoE+ Injector. Injector operational temperature range is -20ºC (-4ºF) to 40ºC (104ºF). NA/EU/UK/AU options available.	POE-INJ2-PLUS-NA
H4 In-Ceiling PTZ audio retrofit kit	PTZ-ACCS-IC-RETRO
Cable gland nut kit, pack of 10	H5PTZ-ACCS-CABL1

H5A IR PTZ CAMERA

TYPE	PART NUMBER
NPT Pendant Adapter	IRPTZ-MNT-NPTA1
Wall Arm Mount	IRPTZ-MNT-WALL1
Pole Mounting Bracket	H4-MT-POLE1
Corner Mounting Bracket	H4-MT-CRNR1
Gigabit 802.3bt 60 W PoE Injector, single port	POE-INJ-BT-60W-NA
Gigabit 802.3bt 90 W PoE Injector, single port	POE-INJ-BT-90W-NA
Cable gland nut kit, pack of 10	H5PTZ-ACC-CABL1

H5A RUGGED PTZ CAMERA

TYPE	PART NUMBER
Gigabit 802.3bt 90W PoE Injector, single port	POE-INJ-BT-90W-NA
IR illuminator, 850 nm	AVUEI8AA
Long distance IR illuminator, 850 nm	AVUEI8AAP
IR illuminator, 940nm	AVUEI9AA
White light illuminator	AVUEIWAA
Long distance white light illuminator	AVUEIWAAP
Wall arm mount	AVUEBWAA
Parapet mounting bracket, internal cable channel	AVUEBP0AA
Parapet mounting bracket with quick connectors, RJ45 (Ethernet & PoE) and 4 poles with screw terminal (power & I/O)	AVUEBP4AA
Parapet mounting bracket with quick connectors, RJ45 (Ethernet & PoE) and 7 poles to weld (power & I/O)	AVUEBP7AA
Pole mount adapter, stainless steel AISI 316L, compatible with wall arm mount	AVUEAP
Corner mount adapter, stainless steel AISI 316L, compatible with wall arm mount	AVUEAC
Parapet plate mount adapter, stainless steel AISI 316L, compatible with parapet mounting brackets	AVUEAW
Washer pump, 5 L water tank, pump up to 5m (16.4 ft), 230VAC / 24VAC / 120VAC input	AVWASPT0V5L5M00
Washer pump, 23 L water tank, pump up to 11m (36 ft), 230VAC / 24VAC / 120VAC input	AVWASPT0V23L11M00
Washer pump, 23 L water tank, pump up to 30m (98 ft), 230VAC input	AVWASPT1V23L30M00
Washer pump, 23 L water tank, pump up to 30m (98 ft), 120VAC input	AVWASPT3V23L30M00
Communication box with power supply and switch, 220-230VAC, polycarbonate	AVCOMB100A
Communication box with power supply and switch, 24VAC, polycarbonate	AVCOMB200A
Communication box with power supply and switch, 120-127VAC, polycarbonate	AVCOMB300A
Surge protector for the Ethernet line	AVSURGEPR
Spare wiper blade	AVOUEWIPER
Camera maintenance kit (includes 1 x power connector, 1 x I/O connector, 1 x safety chain coupling plate, 2 x M16 cable glands, 1 x M20 cable gland, 1 x reduction gasket for M20 cable gland, 1 x reduction gasket for M16 cable gland, 1 x base gasket, 1 x Allen wrench, 1 x 2.5A fuse) connector, 1 x safety chain coupling plate, 2 x M16 cable glands, 1 x M20 cable gland, 1 x reduction gasket for M20 cable gland, 1 x reduction gasket for M16 cable gland, 1 x base gasket, 1 x Allen wrench, 1 x 2.5A fuse)	AVOUEMAN

ACCESSORIES

H5A THERMAL CAMERAS

DESCRIPTION	PART NUMBER
Pole Mount for H5A Thermal Camera, compatible with WLMT-1001	PLMT-1001
Corner Mount for H5A Thermal Camera, compatible with WLMT-1001	CRNMT-1001
USB WiFi Adapter Install Kit (North America)	USB-AC56-NA-MSI
USB WiFi Adapter Install Kit (Europe)	USB-AC56-EU-MSI

H5M CAMERA

TYPE	PART NUMBER
In-ceiling mount	H5M-MT-DCIL1
Package of 4 camera shroud replacement parts	H5M-DO-BZL1

H4 LPC CAMERA

TYPE	PART NUMBER
Pedestal and ceiling mount	ES-HD-MNT-PAR
Large pole mount	ES-HD-MNT-POLE-LG
Medium pole mount	ES-HD-MNT-POLE-MD
Small pole mount	ES-HD-MNT-POLE-SM
Wall reinforcing plate	ES-HD-MNT-PLATE
Corner mount adapter	ES-HD-MNT-CORNER

H4 VIDEO INTERCOM

TYPE	PART NUMBER
Surface mount adapter	H4VI-MT-SURF1
Safety relay	H4VI-AC-RELY1
PoE injector	POE-INJ2-STD

ALTA CAMERAS

The Motorola Solutions Avigilon Alta cloud-native video security system is open, flexible and future-proof. Combine smart cameras with the intuitive AI-powered Aware cloud platform for enhanced security and awareness anywhere, anytime. With the widest range of cloud camera options on the market, choose from audio capabilities, sensors, and vandal- and weather-resistant models to create your deployment.

AVA FLEX CAMERA

MSRP FROM $370

The AI-powered, cloud-native Avigilon Ava Flex wireless camera provides smart, enterprise physical security features in an affordable, easy-to-install package to provide security to small business, retail stores, and other distributed businesses.

SPECIFICATIONS

MODEL NAME	AVIGILON AVA FLEX CAMERA
PART NUMBER	FLEX-2MP-7
Resolution (MP)	2 MP
Image Sensor	1/2.7"
IR Night Vision	Color night vision, Adaptive white light
Minimum Illumination in Color Mode	<0.1lux
Max. Resolution and Frame Rate	1920x1080, 30fps
Dynamic Range	Multi-exposure line-based HDR
Environmental Sensors	Temperature and humidity
Sensor Accuracy	Temperature: ±2.5°C (±4.5°F) Humidity: ±5%
Security	Trusted Platform Module, Factory-installed certificates, No default passwords, Mandatory access authentication, HTTPS/TLS encryption
Physical Characteristics	With Ball joint mount: 80 x 80 x 96 mm, 202 g Camera: 80 x 80 x 38 mm, 142 g

LENS (REMOTE ZOOM AND FOCUS)		
3.3mm, ƒ/1.1, Fixed focus	Horizontal Field of View	110°
	Vertical Angle of View	58°

KEY FEATURES

- Versatile, lightweight and fit for discreet indoor locations
- Wi-Fi and PoE for flexible deployments
- Fixed lens camera with color night vision
- Insights from integrated environmental sensors
- Built-in AI video and audio analytics
- On-board storage and processing

LEARN MORE

AUDIO, POWER & STORAGE

Audio	Microphone
Power Source	PoE 802.3af or USB-C 1.5A
Power Consumption	Typical: 3.5W Max: 6W
Networking Protocols	IPv4, HTTPS, TLS, DNS, mDNS, DNS-SD, NTP, RTSP, RTP, RTCP, ICMP, DHCP, ARP Streaming: RTP/UDP, RTP/RTSP/HTTPS/TCP
Connection	802.3u 10/100 Ethernet USB-C for preview and setup
Onboard Storage	MicroSD SDXC High Speed

AVA COMPACT DOME CAMERA

MSRP FROM $561

The AI-powered, cloud-native Avigilon Ava Compact Dome camera is discreet, robust, and easy to install and manage, providing crystal clear visibility indoors to help ensure safety and security.

SPECIFICATIONS

MODEL NAME	AVIGILON AVA COMPACT DOME CAMERA	
PART NUMBER	COMPACTDOME-W-5MP-30 COMPACTDOME-W-5MP-60 COMPACTDOME-W-5MP-120	COMPACTDOME-W
On-board Storage	30, 60, or 120 days	None. Cloud Connector required.
Resolution (MP)	5 MP	
Image Sensor Size Format	1/2.7"	
IR Night Vision	Automatic Night Mode, IR-cut filter, 10m IR Range, 850 nm IR LED	
Minimum Illumination in Color Mode	0.10lux	
Max. Resolution and Frame Rate	2688x1944@30fps	
Dynamic Range	Multi-exposure line-based HDR	
Environmental	Operating: 0°C to +40°C Storage: -40°C to +60°C	
Security	Trusted Platform Module, Factory-installed certificates, No default passwords, Mandatory access authentication, HTTPS/TLS encryption	
Physical Characteristics	Dimensions: 107x107x64mm Weight: 280g	

LENS (REMOTE ZOOM AND FOCUS)		
3.2mm, ƒ/1.3, Fixed focus	Horizontal Field of View	102°
	Vertical Angle of View	71°

KEY FEATURES

- Easy installation, configuration, and management
- Cloud-native deployment
- AI video analytics for loitering, anomalies and more
- Audio analytics and acoustic sensor
- 5 MP Image Sensor
- On-board storage[1] and processing

LEARN MORE

AUDIO, POWER & STORAGE

Audio	Microphone
Power Source	PoE 802.3af USB-C, installation only
Power Consumption	Typical: 5W Max: 8W
Networking Protocols	IPv4, HTTPS, TLS, DNS, mDNS, DNS-SD, NTP, RTSP, RTP, RTCP, ICMP, DHCP, ARP Streaming: RTP/UDP, RTP/RTSP/HTTPS/TCP
Connection	802.3ab 10/100/1000 Gigabit Ethernet USB-C for preview and setup

[1] Available on most models

AVA DOME CAMERA

MSRP FROM $1,151

The AI-powered, cloud-native Avigilon Ava Dome camera is versatile, robust, and easy to install and manage, providing crisp, clear images to help you stay on top of what matters.

SPECIFICATIONS

MODEL NAME	AVIGILON AVA DOME CAMERA			
PART NUMBER	DOME-W-4K-30 DOME-W-4K-60	DOME-W-4K	DOME-W-5MP-30 DOME-W-5MP-60 DOME-W-5MP-120	DOME-W-5MP
On-board Storage	30 or 60 days	None. Cloud Connector required.	30, 60 or 120 days	None. Cloud Connector required.
Resolution (MP)	4K		5 MP	
Image Sensor	8 MP (4K)			
IR Night Vision	Automatic Night Mode, IR-cut filter, 30M IR Range, 850 nm IR LED			
Minimum Illumination in Color Mode	0.15lux			
Max. Resolution and Frame Rate	3840x2160@30fps		3072x1728@30fps	
Dynamic Range	Multi-exposure line-based HDR			
Environmental	IP66 Weather Rating, IK10 Impact Rating			
Security	Trusted Platform Module, Factory-installed certificates, No default passwords, Mandatory access authentications, HTTPS/TLS encryption			
Physical Characteristics	Dimensions: 152x152x96mm Weight: 1.2 kg Body: Aluminum			

LENS (REMOTE ZOOM AND FOCUS)		
3.6-10mm, *f*/1.5-*f*/2.8, P-Iris	Horizontal Field of View	100°- 45°
	Vertical Angle of View	53° - 25°

KEY FEATURES

- Easy installation, configuration, and management
- Cloud-native deployment
- AI video analytics for loitering, anomalies and more
- Audio analytics and acoustic sensor
- 4K Image Sensor
- On-board storage[1] and processing

LEARN MORE

AUDIO, POWER & STORAGE

Audio	Microphone Array (4x microphones) Audio source localization
Power Source	PoE+ (802.3at Type 2)
Power Consumption	Typical: 5W Max without heater: 13W Max with heater: 23W
Networking Protocols	IPv4, HTTPS, TLS, DNS, mDNS, DNS-SD, NTP, RTSP, RTP, RTCP, ICMP, DHCP, ARP Streaming: RTP/UDP, RTP/RTSP/HTTPS/TCP
Connection	802.3ab 10/100/1000 Gigabit Ethernet USB-C for preview and setup

[1] Available on most models

AVA BULLET CAMERA

MSRP FROM $1,407

The AI-powered, cloud-native Avigilon Ava Dome camera is versatile, robust, and easy to install and manage, providing crisp, clear images to help you stay on top of what matters.

SPECIFICATIONS

MODEL NAME	AVIGILON AVA BULLET CAMERA (WIDE)		AVIGILON AVA BULLET (TELEPHOTO)	
PART NUMBER	BULLET-WI-W-4K-30 BULLET-WI-W-4K-60 BULLET-WI-W-5MP-30 BULLET-WI-W-5MP-60 BULLET-WI-W-5MP-120	BULLET-WI-W BULLET-WI-W-5MP	BULLET-TE-W-4K-30 BULLET-TE-W-4K-60 BULLET-TE-W-5MP-30 BULLET-TE-W-5MP-60 BULLET-TE-W-5MP-120	BULLET-TE-W BULLET-TE-W-5MP
On-board Storage	30, 60, or 120 days	None. Cloud Connector required.	30, 60, or 120 days	None. Cloud Connector required.
Resolution (MP)	5 MP, 4K			
Image Sensor	1/1.8"			
IR Night Vision	Automatic Night Mode, IR-cut filter, 850 nm IR LED			
Minimum Illumination in Color Mode	4K: 3840x2160@30fps 5 MP: 3072x1728@30fps			
Dynamic Range	Multi-exposure line-based HDR			
Environmental	IK10 Impact Resistance, IP66 Ingress Protection			
Security	Trusted Platform Module, Factory-installed certificates, No default passwords, Mandatory access authentication, HTTPS/TLS encryption			
Physical Characteristics	Dimensions: 284x86x108 Weight: 1.33 kg			

LENS (REMOTE ZOOM AND FOCUS)		WIDE	TELEPHOTO
4.3-10.8mm, ƒ/1.38-ƒ/2.8	Zoom	2.5x	
	Horizontal Field of View	100° - 40°	39° - 16°
	Vertical Angle of View	53° - 23°	23° - 9°

KEY FEATURES

- Available in wide and telephoto lenses for flexible coverage options
- Simple to install with innovative sliding body design and easy onboarding
- Cloud-native deployment
- Dynamic resolution up to 4K
- AI video analytics for loitering, anomalies and more
- Audio analytics and acoustic sensor
- On-board storage[1] and processing

LEARN MORE

AUDIO, POWER & STORAGE

Audio	Microphone Array (4x microphones) Audio source localization
Power Source	PoE+ (802.3at Type 2), normal operation PoE (802.3 af), without heat and IR USB-C, installation only
Power Consumption	Typical: 5 W Max without heater, with IR: 13 W Max with heater: 23 W
Networking Protocols	IPv4, HTTPS, TLS, DNS, mDNS, DNS-SD, NTP, RTSP, RTP, RTCP, ICMP, DHCP, ARP Streaming: RTP/UDP, RTP/RTSP/HTTPS/TCP
Connection	802.3u 10/100 Ethernet USB-C for preview and setup

[1] Available on most models

AVA 360 CAMERA

MSRP FROM $1,343

The AI-powered, cloud-native Avigilon Ava 360 camera is ideal for locations that require visibility in all areas. Whether indoors or outdoors, the Ava 360 provides high resolution coverage of a wide area, even in challenging environments and with low light.

SPECIFICATIONS

MODEL NAME	AVIGILON AVA 360 CAMERA	
PART NUMBER	360-W-30 360-W-60	360-W
On-board Storage	30 or 60 days	None. Cloud Connector required.
Resolution (MP)	12 MP, 1/2.3"	
Effective Resolution (MP)	9 MP	
Field of View	> 180°	
IR Night Vision	Automatic Night Mode, IR-cut filter, 20m IR Range, 850 nm IR LED	
Minimum Illumination in Color Mode	0.4lux	
Max. Resolution and Frame Rate	3008x3008@30fps	
Dynamic Range	Multi-exposure line-based HDR	
Environmental	IP66 Ingress Protection, IK10 Impact Resistance	
Security	Trusted Platform Module, Factory-installed certificates, No default passwords, Mandatory access authentication, HTTPS/TLS encryption	
Physical Characteristics	Dimensions: 152x152x77mm Weight: 1.1 kg Body: Aluminum	

KEY FEATURES

- 360° fisheye panoramic with IR
- Cloud-native deployment
- 12 MP image sensor
- Easy installation, configuration, and management
- AI video analytics for loitering, anomalies and more
- On-board storage[1] and processing

LEARN MORE

AUDIO, POWER & STORAGE

Audio	Microphone array (4x microphones)
Power Source	PoE+ (802.3at Type 2) For installation only: USB-C (1.5A mode)
Power Consumption	Typical: 5 W Max without heater: 13 W Max with heater: 23 W
Networking Protocols	IPv4, HTTPS, TLS, DNS, mDNS, DNS-SD, NTP, RTSP, RTP, RTCP, ICMP, DHCP, ARP Streaming: RTP/UDP, RTP/RTSP/HTTPS/TCP
Connection	802.3ab 10/100/1000 Gigabit Ethernet USB-C for preview and setup

[1] Available on most models

AVA QUAD CAMERA

MSRP FROM $3,224

The AI-powered, cloud-native Avigilon Ava Quad camera features adjustable sensors and varifocal lenses to deliver complete coverage of up to four different areas.

SPECIFICATIONS

MODEL NAME	AVIGILON AVA QUAD CAMERA	
PART NUMBER	QUAD-20MP-30	QUAD
On-board Storage	30 days	None. Cloud Connector required.
Resolution (MP)	20 MP	
Image Sensor	4 x 5MP, 1/2.7"	
IR Night Vision	Automatic Night Mode, IR-cut filter, Individually controlled IR LEDs, 850 nm IR LED	
Minimum Illumination in Color Mode	0.15lux	
Max. Resolution and Frame Rate	2592x1944@30fps per sensor	
Dynamic Range	Multi-exposure line-based HDR	
Environmental	IP66 Ingress Protection, IK10 Impact Resistance	
Security	Trusted Platform Module, Factory-installed certificates, No default passwords, Mandatory access authentication, HTTPS/TLS encryption	
Physical Characteristics	Dimensions: 275x275x118 mm Weight: 2.7 kg Body: Aluminum	

LENS (REMOTE ZOOM AND FOCUS)		
3.7-7.7 mm, ƒ/1.9-ƒ/2.9, P-Iris	Horizontal Field of View	81° - 39°
	Vertical Angle of View	60° - 29°

KEY FEATURES

- Multisensor security camera for flexible, wide coverage
- Cloud-native deployment
- Dynamic resolution up to 5MP on all four sensors
- Easy installation, configuration, and management
- AI video analytics for loitering, anomalies and more
- On-board storage[1] and processing

LEARN MORE

AUDIO, POWER & STORAGE

Audio	Microphone
Power Source	IEEE 802.3at PoE Class 4 (PoE+)
Power Consumption	Max: 25.5W
Networking Protocols	IPv4, HTTPS, TLS, DNS, mDNS, DNS-SD, NTP, RTSP, RTP, RTCP, ICMP, DHCP, ARP Streaming: RTP/UDP, RTP/RTSP/HTTPS/TCP
Connection	802.3ab 10/100/1000 Gigabit Ethernet
Onboard Storage	MicroSD SDXC UHS-I

[1] Available on most models

ALTA H6SL CAMERAS

MSRP FROM $477

Protect people and property effortlessly with this cloud-native, versatile, analytics-enabled camera line that can fit into an extensive range of indoor and outdoor applications.

SPECIFICATIONS

MODEL NAME	INDOOR DOME		OUTDOOR DOME		BULLET	
	NON-IR	IR			WIDE	TELEPHOTO
PART NUMBER	2.0C-H6SL-D1-C 3.0C-H6SL-D1-C 5.0C-H6SL-D1-C	2.0C-H6SL-D1-IR-C 3.0C-H6SL-D1-IR-C 5.0C-H6SL-D1-IR-C	2.0C-H6SL-DO1-IR-C 3.0C-H6SL-DO1-IR-C 5.0C-H6SL-DO1-IR-C	2.0C-H6SL-BO1-IR-C 3.0C-H6SL-BO1-IR-C 5.0C-H6SL-BO1-IR-C	2.0C-H6SL-BO1-IR-C 3.0C-H6SL-BO1-IR-C 5.0C-H6SL-BO1-IR-C	3.0C-H6SL-BO2-IR-C 5.0C-H6SL-BO2-IR-C
On-board Storage C	30, 60, or 120 days					
Resolution	2 MP, 3 MP, 5 MP					3 MP, 5 MP
Image Sensor	1/2.8" progressive scan CMOS					
Dynamic Range HDR OFF	83 dB					
Dynamic Range HDR ON	2MP = 126 dB, 3 MP/5MP = 130 dB					
Max. Image Rate	30 fps					
Environmental	IK10		IK10, IP66/67, Type 4X			

LENS & IR ILLUMINATION		3.4-10.5 MM LENS (DOME AND WIDE BULLET)	10.9-29 MM LENS (TELEPHOTO BULLET ONLY)
Max. IR Illumination Distance (high power 850 nm LEDs)	Dome	30 m (100 ft), full tele 20 m (65 ft), full wide	N/A
	Bullet 2 MP	50 m (164 ft), full tele 30 m (100 ft), full wide	N/A
	Bullet 3 MP, 5 MP	40 m (131 ft), full tele 20 m (65 ft), full wide	70 m (230 ft), full tele 30 m (100 ft), full wide
Min. Illumination (at 33 ms shutter speed)	2 MP	With IR: 0 lux in monochrome mode Without IR: 0.01 lux in color mode; 0.005 lux in monochrome mode	N/A
	3 MP 5 MP	With IR: 0 lux in monochrome mode Without IR: 0.04 lux in color mode; 0.02 lux in monochrome mode	
Horizontal Field of View (H) & Vertical Field of View (V)	2 MP	101° - 31° (H), 53° - 17° (V)	N/A
	3 MP 5 MP	95° - 28° (H), 69° - 21° (V)	28° - 10° (H), 21° - 7° (V)

KEY FEATURES

- AI video analytics for loitering, anomalies and more
- High Dynamic Range
- IR Illumination (optional on Indoor Dome)
- Cloud-native deployment
- On-board storage and processing
- Rated IK10 for vandal resistance on all models
- Rated IP66/67 and NEMA 250 Type 4X for water, dust and corrosion resistance (outdoor models only)

LEARN MORE

BULLET DOME

AUDIO, POWER & STORAGE

Audio Compression Method	G.711 PCM 8 kHz, Opus
Audio Input/Output	Line level input and output
External I/O Terminals	Alarm In, Alarm Out
Microphone	Optional microphone accessory sold separately (Indoor Dome model only)
PoE Power Source	IEEE 802.3af Class 3 compliant, 12VDC Aux (Bullet only)

[1] Additional license required — see page 26.

ACCESSORIES

AVIGILON AVA DOME CAMERA

TYPE	PART NUMBER
Avigilon Ava Pendant Mounting Cap	ACC-PEN-CAP-W
Avigilon Ava Wall Mount Arm	ACC-MNT-ARM-W
Avigilon Ava Pendant Head	ACQ-PEN-HEA
Avigilon Ava Pendant Pipe 40cm	ACQ-PEN-PIP
Avigilon Ava Pole Bracket	ACC-POL-BRA-W
Avigilon Ava Corner Bracket	ACC-CRN-BRA-W
Avigilon Ava Conduit Adapter 3/4"	ACC-CON-A34-W

AVIGILON AVA COMPACT DOME

TYPE	PART NUMBER
Avigilon Ava Drop Ceiling Mount	ACC-DRO-CEI
Avigilon Ava PoE Injector 15W	ACC-POE-15W-US
	ACC-POE-15W-UK
	ACC-POE-15W-EU

AVIGILON AVA 360 CAMERA

TYPE	PART NUMBER
Avigilon Ava Pendant Mounting Cap	ACC-PEN-CAP-W
Avigilon Ava Wall Mount Arm	ACC-MNT-ARM-W
Avigilon Ava Wall Mount Arm	ACC-MNT-ARM-B
Avigilon Ava Pendant Head	ACQ-PEN-HEA
Avigilon Ava Pendant Pipe 40cm	ACQ-PEN-PIP
Avigilon Ava Pole Bracket	ACC-POL-BRA-W
Avigilon Ava Corner Bracket	ACC-CRN-BRA-W
Avigilon Ava Conduit Adapter 3/4"	ACC-CON-A34-W

AVIGILON AVA QUAD CAMERA

TYPE	PART NUMBER
Avigilon Ava Recessed Kit	ACQ-REC-KIT
Avigilon Ava Pendant Head	ACQ-PEN-HEA
Avigilon Ava Pendant Pipe 40cm	ACQ-PEN-PIP
Avigilon Ava Wall Mount Bracket	ACQ-WAL-MNT
Avigilon Ava Pole Bracket	ACQ-POL-MNT
Avigilon Ava Corner Bracket	ACQ-CRN-MNT
Avigilon Ava Mounting Adapter	ACQ-MNT-ADA

AVIGILON AVA COMPACT DOME

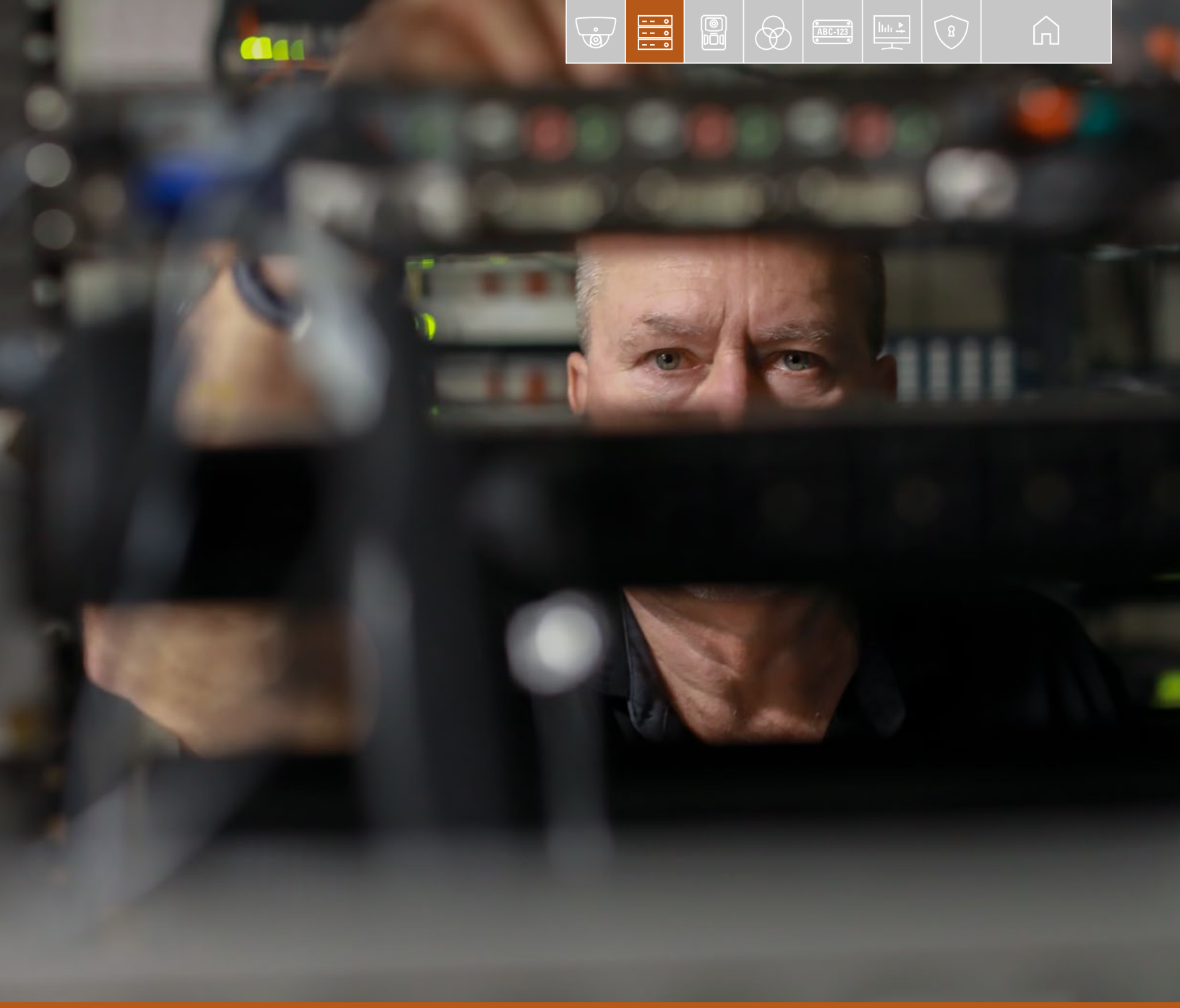
TYPE	PART NUMBER
Avigilon Ava Drop Ceiling Mount	ACC-DRO-CEI
Avigilon Ava PoE Injector 15W	ACC-POE-15W-US
	ACC-POE-15W-UK
	ACC-POE-15W-EU

AVIGILON AVA BULLET CAMERA

TYPE	PART NUMBER
Avigilon Ava Weather shield	ACC-WEA-SHI-W
Avigilon Ava Conduit back box	ACC-CON-BCK-W
Avigilon Ava Adapter plate	ACC-ADA-PLA-W
Avigilon Ava Pole bracket	ACC-POL-BRA-W
Avigilon Ava Corner bracket	ACC-CRN-BRA-W

H6SL CAMERAS

DESCRIPTION	PART NUMBER
Wall Mount Arm for 1.5" NPT Pendant	CM-MT-WALL1
Pole Mount Adapter for CM-MT-WALL1	PLMT-1001
Corner Mount for CM-MT-WALL1	CRNMT-1001
USB WiFi Adapter Install Kit (North America)	USB-AC56-NA-MSI
USB WiFi Adapter Install Kit (Europe)	USB-AC56-EU-MSI
In-ceiling mounting adapter for H6SL Dome	SLSPCIL-1001
Pendant NPT adapter for H6SL Dome	H6SL-MT-NPTA1
Metal ceiling panel for suspended ceiling installations	DCLPNL-1001
Weather shield for H6SL Dome	H6SL-DO-SHLD1
Microphone accessory for Indoor H6SL Dome	ACMICR-1001
Clear lower dome for H6SL Outdoor Dome	H6SL-DD-CLER1
Smoked lower dome for H6SL Outdoor Dome	H6SL-DD-SMOK1
Clear lower dome for H6SL Indoor Dome	H6SL-DI-CLER1
Smoked lower dome for H6SL Indoor Dome	H6SL-DI-SMOK1
Adapter 3/4 inch conduit for H6SL Dome, 5-pack	CNCVR-1001



VIDEO INFRASTRUCTURE

Whether you need a couple of cameras to monitor a storefront or thousands of cameras to secure a large campus, using a complete Avigilon solution helps take the risk out of deployment and maintenance. Avigilon Network Video Recorders (NVRs) and appliances are pre-configured for enhanced system performance and to save you time during deployment.

AI NVR

MSRP FROM $9,400

The Artificial Intelligence (AI) Network Video Recorder (NVR) is first of its kind to offer a cloud-ready appliance that consists of a purpose-built security-hardened OS with built-in server-side analytics that unlocks Avigilon's advanced AI capabilities on any connected video stream.

SPECIFICATIONS

MODEL NAME		AI NVR 2 VALUE				AI NVR STANDARD			AI NVR PREMIUM [+]			
PART NUMBER		AINVR2-VAL- C TB				AINVR-STD- C TB			AINVR-PRM[-PLUS]- C TB			
Storage (TB)	Total Capacity C	6	12	16	24	24	32	48	64	96	128	160
Network Interface		2x1 GbE RJ-45 ports (1000Base-T)				4x1 GbE RJ-45 ports (1000Base-T)			4 × 1 GbE RJ-45 ports (1000Base-T) 4 × 10 GbE SFP† ports			
	Network Connection	1GbE Networking							10GbE and 1GbE Networking			
Network Video Streaming Performance	Recording Rate (1GbE)	Up to 900 Mbps							10GbE: Up to 1500 Mbps [1] 1GbE: Up to 1500 Mbps [‡]			
	Playback Rate	Up to 800 Mbps							Up to 600 Mbps			

CAMERA & ANALYTICS SUPPORT

MODEL	ANALYTICS KIT	AVIGILON ANALYTICS CAMERAS[1]		NON-ANALYTIC CAMERAS[1]					NUMBER OF LPR LANES[2]							
									DEFAULT MODE				PERFORMANCE MODE[6]			
		AS ONLY[4]	FR + AS[4]	COD ONLY[3]	COD + AS[4]	COD + AS[4] + FR	COD + AS[4] + VFD[5]	COD + AS[4] + VFD[5] + FR	5FPS <16 KM/H	10 FPS <48 KM/H	20 FPS <100 KM/H	30 FPS <150 KM/H	5FPS <16 KM/H	10 FPS <48 KM/H	20 FPS <100 KM/H	30 FPS <150 KM/H
AI NVR Premium +	Build-In	200	100	55	55	50	30	29	24	12	6	4	106	53	26	17
AI NVR Premium	Build-In	200	100	30	30	27	15	14	17	8	4	2	56	28	14	9
AI NVR Standard	AINVR-STD-PRK	200	100	25	25	22	20	19	14	7	3	2	58	29	14	9
	Build-In	200	100	12	12	11	10	9	11	5	2	1	30	15	7	5
AI NVR 2 Value	None	-	-	-	-	-	-	-	17	8	4	2	-	-	-	-
	AINVR2-VAL-ANK	90	31	4	4	3	2	1	16	10	5	3	16	14	7	4
	AINVR2-VAL-ANK-PLUS	90	70	9	9	8	5	4	20	10	5	3	34	21	10	7

KEY FEATURES

- Object Detection
- Facial Recognition Technology
- Avigilon Appearance Search Technology
- No Face Mask Detection & Occupancy Counting
- License Plate Recognition
- Visible Firearm Detection

LEARN MORE

[1]These performance figures are based on validation testing by Avigilon, using Avigilon Unity Video software version 7.14.16.
Assumes appliance-wide average per camera rates of classified objects leaving the field of view:

- H5A cameras – One every second
- H4A cameras – One every two seconds
- Non-analytics cameras running COD – One every second

Additional licenses may be required. For more information, contact Avigilon Sales.

[2]Assumes a 3MP camera with 1MP license plate scan area and Frames Per Second (FPS) to recognize license plates up to vehicle speeds in Kilometers Per Hour (KM/H). Results may vary according to camera mounting parameters.

[3] For cameras at 2MP and 30 images per second (ips).

[4] Requires H5A, H4A, or Classified Object Detection running on non-analytic cameras.

[5] When enabling VFD, Avigilon cameras must disable analytics on the camera, enable COD, and count the camera as a non-analytic camera.

[6] Requires Avigilon Unity Video 7.14.6 or later. LPR Performance mode will limit other analytics on your appliance. See the appliance's user guide for more information.

Part number varies based on total storage capacity C.

NVR5 SERIES

MSRP FROM $5,738

The fifth-generation Avigilon Network Video Recorder (NVR5) delivers unparalleled, high-performance recording, throughput, data availability, and protection for your Avigilon video security system. Featuring the densest storage capacity Avigilon has to offer on a single NVR, security teams can cost-effectively scale up to petabytes of storage at a single location, with up to 432 TB in storage per NVR.

SPECIFICATIONS

MODEL NAME	NVR5 PREMIUM	NVR5 PREMIUM		NVR5 STANDARD[4]	NVR5 VALUE
PART NUMBER	NVR5-PRM-XXTB	NVR5-PRM-XXTB		NVR5-STD-XXTB	NVR5-VAL-XXTB
Storage Capacity	252TB to 432TB	192TB to 224TB	96TB to 160TB	16TB to 64TB	6TB to 24TB
Max. Total Throughput (Mbps)	2,100	2,100		1,400	428
Max. Record Rate	1,500	1,500		800[4]	300
Max. Playback Rate	600[3]	600[3]		600	128
Max. Cameras Supported for Appearance Search only	200	200		200	46
+ Facial Recognition	50	50		50	46
LPR Lanes[2], 10FPS (<48 KM/H)	10	12	6	6	7
Support[1]	5YR, 4HR, Mission Critital	5YR, 4HR, Mission Critital		5YR NBD	3YR NBD
Redundancy	RAID60	RAID60	RAID6	RAID6	RAID5
Out of Band Management	iLO Advanced	iDRAC Enterprise		iDRAC Enterprise	iDRAC Express

KEY FEATURES

- Single-point-of-contact for 24/7 end-to-end support
- Flexible & scalable tier-1 storage up to 432tb
- High data availability
- Lower deployment costs and easy recovery
- Respond faster with AI-powered analytics support

LEARN MORE

[1] Warranty coverage and support Service Level Agreement is subject to end user's geographic location. Please refer to avigilon.com/support/warranty/avigilon for more information.

[2] Requires Avigilon Unity Video 7.14.10 or later.

[3] The maximum playback throughput for Premium can be increased by reducing the recording throughput.

[4] The maximum recording throughput for Standard can be increased by adding a second CPU kit and a 10GbE Network Card.

NVR & WORKSTATIONS

MSRP FROM $2,893

Experience superior performance and reliability by accessing video from multiple NVRs with the Remote Monitoring Workstation or combine a network video recorder and a client workstation into one powerful NVR5 Workstation. The workstations are now equipped with upgraded 12th-generation Intel processors that enable more efficient recording, reliability and video playback capabilities.

SPECIFICATIONS

MODEL NAME		NVR5 WORKSTATION		REMOTE MONITORING WORKSTATION	
PART NUMBER		NVR5-WKS-4TB	NVR5-WKS-8TB	RM7-WKS-4MN	RM7-WKS-2MN
Video Playback Performance	2 MP @ 30 fps	18 Primary Streams		22 Primary Streams + 14 Secondary Streams	18 Primary Streams
	4 MP @ 30 fps	18 Primary Streams		22 Primary Streams + 14 Secondary Streams	18 Primary Streams
	8 MP @ 30 fps	4 Primary Streams + 14 Secondary Streams		4 Primary Streams + 32 Secondary Streams	4 Primary Streams + 14 Secondary Streams
	16 MP @ 24 fps	2 Primary Streams + 16 Secondary Streams		2 Primary Streams + 34 Secondary Streams	2 Primary Streams + 16 Secondary Streams
	61 MP @ 7 fps	4 Primary Streams + 14 Secondary Streams		6 Primary Streams + 30 Secondary Streams	4 Primary Streams + 14 Secondary Streams
Supported Monitor		Interfaces Combination of up to 2: mDP, DP, and HDMI (DP and HDMI adapters are supplied)		Combination of up to 4: mDP, DP, and HDMI (DP and HDMI adapters are supplied)	Combination of up to 2: mDP, DP, and HDMI (DP and HDMI adapters are supplied)
Operating System		Microsoft Windows 10 IoT Enterprise LTSC (2021)			
Processor		Intel Core i3 (12th Gen)		Intel Core i5 (12th Gen)	Intel Core i3 (12th Gen)
Memory		8 GB DDR4 RAM		32 GB DDR4 RAM	8 GB DDR4 RAM
OS Drive		M.2 256 GB PCIe NVMe Class 35 SSD		M.2 256 GB PCIe NVMe Class 35 SSD	
Video Data Drive		1 SATA drive, 4 TB HDD	1 SATA drive, 8 TB HDD	-	-
Storage		256 GB M.2 SSD + 500 GB HDD			
Network Interface		2 × 1 Gigabit Ethernet RJ-45 ports (1000Base-T)		2 × 1 Gigabit Ethernet RJ-45 ports (1000Base-T)	
Video Outputs		2 active (4 × mDP)		4 active (4 × mDP)	2 active (4 × mDP)
Optical Drive		DVD-RW			
Graphics				NVIDIA T1000 (8GB)	Intel Integrated graphics

*Avigilon Unity client software at 200% DPI scaling

KEY FEATURES

- 4K Support*
- Recovery Partition
- Small Form Factor
- Solid-State Drive

LEARN MORE

NVR

REMOTE

NVR PREMIUM FIPS SERIES

MSRP FROM $56,937

The fifth-generation Avigilon Network Video Recorder (NVR5 FIPS) FIPS series delivers secure, high-performance recording, throughput, data availability, and protection for your Avigilon video security system. Our network security recorders are pre-hardened to meet FIPS 140-2 Level 2 Security Requirements and protect data-at-rest. All NVRs are preloaded with Avigilon Unity Video video management software that uses FIPS-compliant cryptography for secure network video recording and video encryption. Avigilon cameras connected to NVR5 Servers encrypt data-in-flight using FIPS-compliant cryptography.

SPECIFICATIONS

MODEL NAME	NVR5 PREMIUM FIPS SERIES		
PART NUMBER	NVR5-PRM-FIPS-XXTB		
Storage Capacity (TB) C	96	128	160
Max. Total Throughput (Mbps)	1450		
Max. Record Rate	1000		
Max. Playback Rate	450		
Max. Cameras Supported for Appearance Search only	200		
+ Facial Recognition	50		
LPR Lanes, 10FPS (<48 KM/H)	4		
Support[1]	5YR 4HR, Mission Critical		
Redundancy	RAID6		
Out of Band Management	iDRAC Enterprise		

CAMERA & ANALYTICS SUPPORT

MODEL	MAXIMUM SUPPORTED CAMERAS BY FEATURE[1]		NUMBER OF LPR LANES[2]			
	APPEARANCE SEARCH ONLY[3]	FACIAL RECOGNITION + APPEARANCE SEARCH[2]	5 FPS (<16KM/H)	10 FPS (<48KM/H)	20 FPS (<100KM/H)	30 FPS (<150KM/H)
NVR5 PREMIUM FIPS	200	50	8	4	2	1

KEY FEATURES

- FIPS 140-2 L2
- Avigilon Unity Video
- RAID-6 redundancy
- STIG-compliant

LEARN MORE

[1] These performance figures are based on validation testing by Avigilon. Assumes appliance-wide average per camera rates of classified objects leaving field of view:
- H5A Cameras - One every second;
- H4A Cameras - One every two seconds.

Additional licences may be required. For more information, contact Avigilon Sales.

[2] Assumes a 3 MP camera with 1 MP licence plate scan area and Frames Per Second (FPS) to recognize license plates up to vehicle speeds in Kilometers Per Hour (KM/H). Results may vary according to camer mounting parameters. Avigilon Unity Video 7.14.10 or later is required.

[3] Requires H5A or H4A cameras. The Avigilon Appearance Search camera support limit does not affect any NVR throughputs for simultaneous recording, playback and live streaming.

ENVR2 PLUS APPLIANCE

MSRP FROM $2,339

Unlock Next-Generation Video Analytics with Avigilon's compact ENVR2 PLUS, compatible with any connected video stream and ideal for edge deployments.

SPECIFICATIONS

MODEL NAME	ENVR2 PLUS
PART NUMBER	ENVR2-PLUS-8P8/8P4
Analytics features	Appearance Search, Facial Recognition, Classified Object Detection, License Plate Recognition
Built-In PoE ports (Total Power Budget)	8 (125W)
Storage capacity	1 × 3.5" SATA 3 hard drive, 4 TB or 8 TB
Throughput (Recording/Playback in Mbps)	130 / 80
Operating temperature	0° C to 50° C (32° F to 122° F)
Dimensions (L x W x H)	195 mm × 254.5 mm × 44.45 mm (7.67" x 10.0" × 1.75")

KEY FEATURES

- Appearance Search on third-party cameras
- Scale, speed and security
- Remote site upgrade
- Optimal WAN usage

LEARN MORE

HD VIDEO APPLIANCE 3X (HDVA3X)

MSRP FROM $2,951

Achieve a simplified security system while reducing installation time and complexity with the Avigilon HDVA3X. Enjoy a seamless and hassle-free experience managing your security systems with our one-stop, preconfigured solution.

SPECIFICATIONS

MODEL NAME PART NUMBER	HDVA3X 8-PORT VMA-AS3X-8P	HDVA3X PRO 16-PORT VMA-AS3X-16P	HDVA3X PRO 24-PORT VMA-AS3X-24P
Storage Capacity	2TB, 4TB, 8TB	6TB, 9TB, 12TB	12TB, 18TB, 24TB
Operating System	Microsoft Windows 10 IoT Enterprise v21H2 LTSC Optional Microsoft Windows Server 2019 LTSC Upgrade Kit (AS3X-S19-UPG) available		
Total PoE Output	Up to 30W/Port (120W Total)	Up to 30W/Port (240W Total)	Up to 30W/Port (360W Total)
Max. Recording Throughput	Up to 100 Mbps	Up to 300 Mbps	
Max. Number of Video Data Hard Drives	1 × 3.5″ SATA	RAID 5 — Up to 4 × 3.5″ SATA	
Out-of-band Management	Optional IPMI Module (VMA-AS3X-IPMI) available		

KEY FEATURES

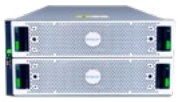
- Out-of-band management
- Improved scale, speed and security
- Next-Generation Video Analytics support
- Local viewing

LEARN MORE

AVIGILON VIDEO ARCHIVE

MSRP FROM $104,120

Cost-effective storage option that provides a path for expanding video archives incrementally over time, delivering exceptional reliability with near-zero downtime.



SPECIFICATIONS

MODEL NAME	AVIGILON VIDEO ARCHIVE					
PART NUMBER	AVA-HED1- C TB[1]			AVA-EXP1- C TB[1]		
Storage Capacity (TB) C	225	488	751	263	526	789
Form Factor	5U					
Max. Number of NVRs Connected	4 per Head Unit when attached directly; 12 per Head Unit when using 2 network switches[2]					
Redundancy	Erasure coding					
Connectivity	iSCSI					

KEY FEATURES

- Erasure Coding technology
- Avigilon Unity Video
- Storage Area Network technology
- Failover and load balancing

LEARN MORE

[1] Head units house the controllers that connect either directly with up to 4 NVRs or indirectly with up to 12 NVRs using 2 network switches. Expansion units need to be installed in the same rack and connected to Head Units to expand the capacity up to 1.5PB.

[2] 12 NVRs must be connected through 2x 10GbE SFP+ network switches to ensure redundancy. The switches are not sold by Avigilon and should be sourced by the customer. Each switch must support at least 12x Downlink ports (1 per NVR) and 4x Uplink ports.

Part number varies based on total storage capacity C.

AVIGILON AI APPLIANCE

MSRP FROM $10,842

Enhance the security of your site by incorporating Avigilon Next-Generation Video Analytics on third-party and Avigilon's non-analytic cameras.

SPECIFICATIONS

MODEL NAME	AI APPLIANCE 2	
PART NUMBER	VMA-AIA2-CG1	VMA-AIA2-CG2
Max. Number of Channels	25	50
Number of Channels Included	10	30
Form Factor	2U rack mount	
Local Monitor Output Support	No	
Embedded Network Switch	No	

CAMERA & ANALYTICS SUPPORT

	NON-ANALYTIC CAMERAS[1]				
MODEL	CLASSIFIED OBJECT DETECTION ONLY[3]	OR	CLASSIFIED OBJECT DETECTION + APPEARANCE SEARCH[2]	OR	CLASSIFIED OBJECT DETECTION + APPEARANCE SEARCH[2] + FACIAL RECOGNITION
AI Appliance 2 CG2	50		50		43
AI Appliance 2 CG1	25		25		22

KEY FEATURES

- Managed solution
- Enhanced security
- Easy appliance management

LEARN MORE

[1] These performance figures are based on validation testing by Avigilon, using Avigilon Unity Video software version 7.6.4. Assumes appliance-wide average per camera rates of classified objects leaving the field of view:

- H5A cameras: one every second
- H4A cameras: one every two seconds
- Non-analytics cameras running Classified Object Detection: one every second

Additional licenses may be required. For more information, contact Avigilon Sales.

[3] For cameras at 2 MP and 30 images per second (ips).

IP HORN SPEAKER

MSRP FROM $1,011

The IP Horn speaker integrates with Avigilon Unity Video software, equipping operators with superior situational awareness to address trespassing or deter intruders.

SPECIFICATIONS

MODEL NAME	IP HORN SPEAKER 2
PART NUMBER	ACC-SPEAKER
Power Source	PoE/PoE+
Power Consumption	13 W (Using PoE), 22 W (Using PoE+)
Amplifier Rated Output	8 W (Using PoE), 15 W (Using PoE+)
Sensitivity	112 dB (1 W, 1 ml (500 Hz - 2.5 kHz, peak level) 124 dB (at PoE+ powered, 15 W, 1 ml (500 Hz - 2.5 kHz, peak level) 121 dB (at PoE powered, 8 W, 1 ml (500 Hz - 2.5 kHz, peak level l
Frequency Response	280 Hz - 12.5 kHz
Sampling Frequency	8 - 48 kHz
Audio Compression Method	G.711u/a, G.722, L16 (8 - 48kHz)
Environmental	IP66
Operatinq Temperature	30 ‘C to +55 ‘C (-22 ‘F to +131 ‘F
Warranty	5-year warranty

KEY FEATURES

- Unity Video Integration
- Built-In Microphone
- Water & Dust Protection
- Wide Temperature Range

LEARN MORE

ALTA CLOUD CONNECTORS

MSRP FROM $6,784

Alta Cloud Connectors make existing cameras smart with uniquely scalable, real-time AI and provide a frictionless transition to the cloud.

SPECIFICATIONS

MODEL NAME	A500	A750	A1000	A2000	A3000
PART NUMBER	APP-500-8-DG APP-500-16-DG	APP-750-32-DG	APP-1000-24-DG APP-1000-48-BT	APP-2000-80-BT APP-2000-160-BT APP-2000-80-SFP APP-2000-160-SFP	APP-3000-80-BT APP-3000-160-BT APP-3000-80-SFP APP-3000-160-SFP
Type	Workstation Appliance	Workstation Appliance	Workstation Appliance	2U Rack-mounted	2U Rack-mounted
Hard Disks	3	3	4	12	12
Cameras Supported	Up to 25	Up to 50	Up to 75	Up to 100	Up to 200
GPU	Nvidia GeForce	Nvidia GeForce	Nvidia Quadro RTX	Nvidia Quadro RTX	2 x Nvidia Quadro RTX
SATA Storage	Up to 24TB raw, 16TB net	Up to 48TB raw, 32TB net	Up to 64TB raw, 48TB net	Up to 192TB raw, 160TB net	Up to 192TB raw, 160TB net

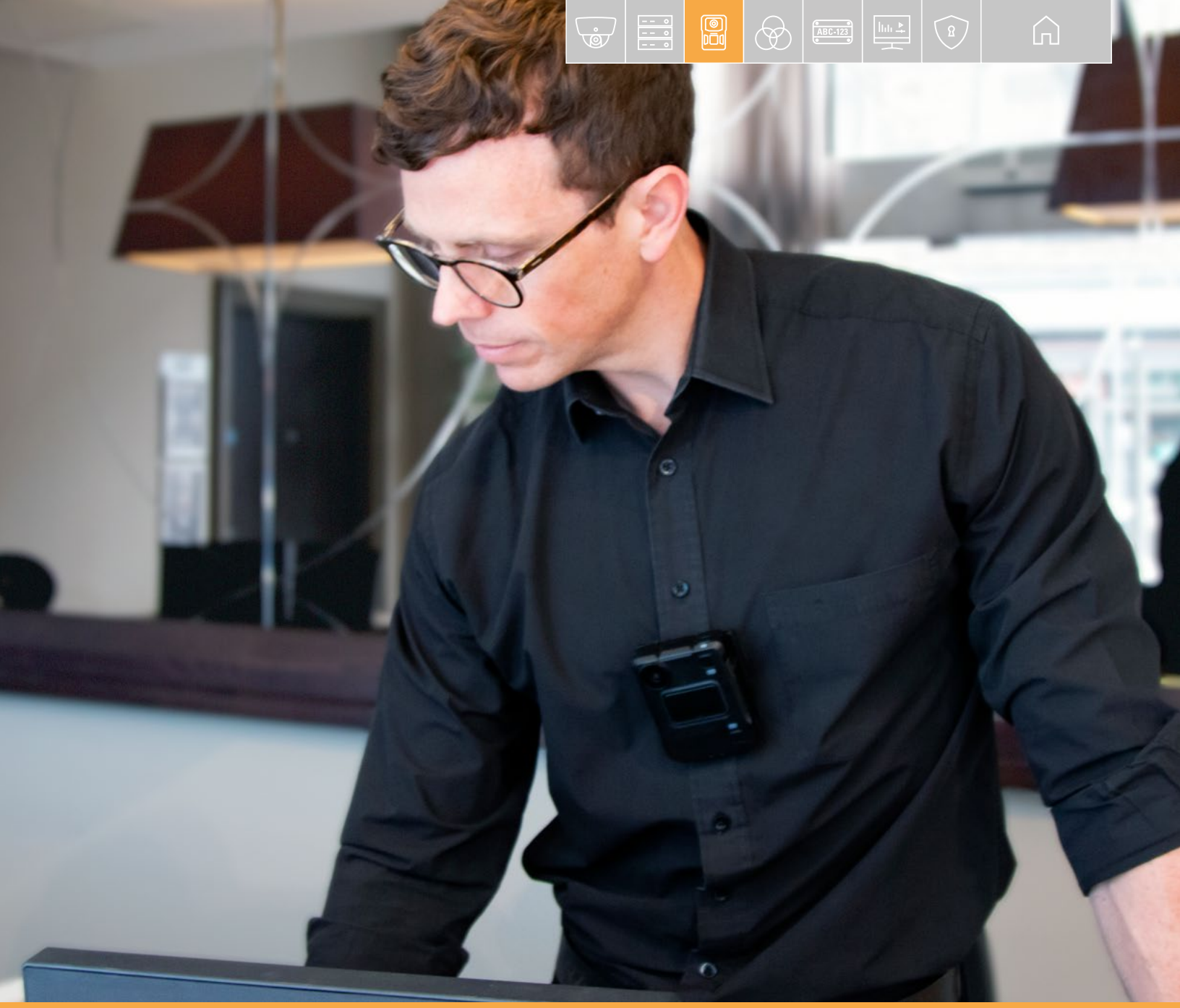
KEY FEATURES

- Extend real-time AI to third party cameras
- Bring cloud benefits to existing cameras and sensors
- Monitor and manage your entire deployment in a single interface
- Provides resilience and local access to video
- Enhanced security with encryption and dedicated TPM

LEARN MORE

CLOUD CONNECTOR ACCESSORIES

TYPE	PART NUMBER
Mounting Rack for A1000	APP-RCK-1000
UK Power Cable	AACC-PWC-UKS
US Power Cable	AACC-PWC-USS
EU Power Cable	AACC-PWC-EUS
IEC C13-C14 Power Cable	AACC-PWC-IECS
4TB Replacement Drive	AACC-DRV-04TB
8TB Replacement Drive	AACC-DRV-08TB
12TB Replacement Drive	AACC-DRV-12TB
16TB Replacement Drive	AACC-DRV-16TB



BODY-WORN CAMERAS

Commercial organizations need a mobile video security solution that protects people and proves professionalism. Next-generation body-worn cameras from Motorola Solutions capture high-quality audio and video from the wearer's perspective. Seamless integration with existing video management infrastructure via WiFi enhances situational awareness in the control room, delivering a powerful new narrative and enabling a smarter response.

VT100 CAMERAS

MSRP FROM $463

Designed to complement your current security function, providing additional body-worn protection to staff throughout any organization. Available for global use in commercial applications.

SPECIFICATIONS

MODEL NAME		VT100
PART NUMBER		VT-100-N
Features	Dimensions (H x W x D)	3.1 x 2.0 x 0.9 in (80 x 51 x 22 mm)
	Weight	2.54 oz (72 g)
	Charging	Up to five hours from fully flat battery
	Bluetooth	No
Video	Recording Storage	16 GB
	Recording Time	Up to three hours
	Battery On Standby	Six months
	Battery Type	Lithium-Ion
	Horizontal Field of View	130 degrees
	Peer-Assisted Recording	No
WiFi	WiFi Specification	802.11 b/g/n (2.4 GHz & 5 GHz)
	WiFi Security	WPA2-PSK
	WiFi Streaming	640x360 15 fps. Compatible with ONStream.

KEY FEATURES

- RFID Assignment
- WiFi Enabled
- Integrates with VideoManager Software
- Up to Six Months Stand-By Battery

LEARN MORE

SECURITY & CERTIFICATION

Storage Media	Internal solid state
Access	Sealed unit, no user access to storage media or battery
EMC Certification	Yes
FCC Certification	Yes
CE Certification	Yes
Environmental Certification	IP54 weather rating

VB400 CAMERAS

MSRP FROM $800

Ruggedized camera with advanced recording and communications features enabling security professionals in commercial organizations to perform their best when it matters most.

SPECIFICATIONS

MODEL NAME		VB400
PART NUMBER		VB-400-64-●
Features	Dimensions (H x W x D)	2.7 x 3.5 x 1.04 in (68 x 89 x 26.6 mm)
	Weight	5.7 oz (162 g), plus mounting
	Charging	Up to eight hours from fully flat battery
	Bluetooth	BT 2.1 + EDR, BLE 4.2
Video	Recording Storage	64 GB
	Recording Time	Up to 12 hours
	Battery On Standby	48 hours
	Battery Type	Lithium-Polymer
	Horizontal Field of View	120 degrees
	Peer-Assisted Recording	Within 32.8 ft (10 m) of another device
WiFi	WiFi Specification	802.11 a/b/g/n (2.4 GHz & 5 GHz)
	WiFi Security	WPA2-PSK
	WiFi Streaming	640 x 360, 25 or 30 fps

FIXING AND MOUNT OPTIONS ●		
	Quick Release Fixing	Suitable for attaching to the quick release fixing options
	Klick Fast Harness	Suitable for directly attaching to the klick fast fixing options
	Close-Fit Mount	Suitable for attaching to the close fit mount options
	Alligator Clip	Comes with a factory fitted alligator clip

KEY FEATURES

- RFID Assignment
- Configure up to 2 Minutes of Pre-Recording
- Internal GPS Receiver
- Holster Sensor
- Bluetooth
- Records for Up to 12 Hours

LEARN MORE

SECURITY & CERTIFICATION

Storage Media	Internal solid state
Access	Sealed unit, no user access to storage media or battery
EMC Certification	Yes
FCC Certification	Yes
CE Certification	Yes
Environmental Certification	IP67 weather rating

Part number varies based on fixing or mount options .

BODY-WORN CAMERA ACCESSORIES

MSRP FROM $13*

There are a variety of accessories to ensure your body-worn camera can be fixed securely to any uniform or clothing.

COMPATIBILITY

MODEL NAME	VB-400 WITH QUICK RELEASE BACK	VB-400 WITH KLICK FAST BACK	VB-400 WITH CLOSE FIT BACK	VB-400 WITH ALLIGATOR CLIP	VT100
PART NUMBER	VB-440-64-QR-N	VB-440-64-KF-N	VB-440-64-VF-N	VB-440-64-ALIG	VT-100-N
Custom VB400 Front-button Sticker (Design) (VB-400-ID-CUS-ART)	Compatible	Compatible	Compatible	Compatible	
Custom VB400 Front-button Sticker (Print) (VB-400-ID-CUS-100 or 250/1000/5000)	Compatible	Compatible	Compatible	Compatible	
Klick Fast Quick Release Stud (VB-400-QR-KFSTUD)	Compatible				
Klick Fast Quick Release Tilt Mount (VB-400-QR-KFTILT)	Compatible				
Klick Fast Quick Release Wide Tilt Mount (VB-400-QR-KFTILT2)	Compatible				
Quick Release Sports Camera Pillar (VB-400-QR-SPORT)	Compatible				
Klick Fast 3-Point Chest Harness (KF-HARN3)[1]	Compatible	Compatible			
Klick Fast 4-Point Chest Harness (KF-HARN4)[1]	Compatible	Compatible			
Klick Fast Shoulder Harness (KF-HARN5)[1]	Compatible	Compatible			
Klick Fast Uniform Screw-on Dock (KF-SCREW)[2]	Compatible	Compatible			
Klick Fast Radio Loop Dock (KF-LOOP)[2]	Compatible	Compatible			
Klick Fast Dock Clamp (KF-DOCKCLAMP)[2]	Compatible	Compatible			
Klick Fast Dock Epaulette (KF-DOCKEP)[2]	Compatible	Compatible			
Klick Fast Magnetic Mounting Set (w/o magnet) (KF-MAGMOUNT)[2]	Compatible	Compatible			
Klick Fast Dock for MOLLE Vests (KF-MOLLEVEST)[2]	Compatible	Compatible			
Close-Fit Magnetic Mount (VB-400-VF-MAG)			Compatible		
Close-Fit Double MOLLE Mount (VB-400-VF-MOL2)			Compatible		
Custom VT100 Front-panel ID Card (Design) (VT-100-ID-CUS-ART)					Compatible
Custom VT100 Front-panel ID Card (Print) (VT-100-ID-CUS-250 or 1000 /5000)					Compatible
VT100 Rotatable Long Alligator Clip (VT-100-FIX-ALIG)					Compatible
VT100 Epaulette (Shoulder) Clip (VT-100-FIX-EP)					Compatible
VT100 Sports Camera Pillar (VT-100-FIX-SPORT)					Compatible
VT100 Klick Fast Stud (VT-100-FIX-KF-ALT)					Compatible
Lanyard with 5 Breakpoints and 2 Loops (AC-LANYARD-05)					Compatible

*Based on AC-LANYARD-05.

[1] Klick Fast Harnesses are compatible with the VB-440-64-QR-N when used in conjunction with Klick Fast Quick Release Fixings. Also available for the VB-440-64-KF-N camera.

[2] Available for the VB-440-64-QR-N when used in conjunction with Klick Fast Quick Release Fixings.

BODY-WORN CAMERA DOCKS

MSRP FROM $106

For downloading of video and rapid charging of body-worn cameras.

SPECIFICATIONS

MODEL NAME	VT100 1-PORT DOCK	VT100 14-PORT DOCK	VB400 1-PORT DOCK	VB400 14-PORT DOCK
PART NUMBER	VT-100-SOLO	VT-100-DOCK14[1]	VB-400-DOCK-SOLO	VB-400-DOCK14[2]
Dimensions (H x W x D)	2.95 x 3.54 x 1.57 in (75 x 90 x 40 mm)	1.5 x 7.87 x 17.17 in (38 x 200 x 436 mm)	2.95 x 3.54 x 1.57 in (75 x 90 x 40 mm)	1.5 x 7.87 x 17.17 in (38 x 200 x 436 mm)
Weight	8.6 oz (244 g)	4.85 lb (2.2 kg)	8.6 oz (244 g)	4.85 lb (2.2 kg)
Scalability	Up to four 1-Port Docks can be connected to a DockController	Multiple docking stations can be connected to a single PC or DockController	Up to four 1-Port Docks can be connected to a DockController	Multiple docking stations can be connected to a single PC or DockController
Charging	This dock can charge a VT100 in up to five hours from a fully flat battery	This dock can charge a VT100 in up to five hours from a fully flat battery	This dock can charge a VB400 in up to eight hours from a fully flat battery	This dock can charge a VB400 in up to eight hours from a fully flat battery
Connection	Single USB to PC	Single USB to PC or DockController, and a mains adaptor for power	Single USB to PC	Single USB to PC or DockController, and a mains adaptor for power
Power Requirement	5V USB	12V/5A PSU, input 100-240V (PSU supplied)	5V USB	12V/5A PSU, input 100-240V (PSU supplied)

LEARN MORE

[1] Part number varies based on power outlets: VT-100-DOCK14/US, VT-100-DOCK14/UK, VT-100-DOCK14/EU, VT-100-DOCK14/ROW.

[2] Part number varies based on power outlets: VB-400-DOCK14/US, VB-400-DOCK14/UK, VB-400-DOCK14/EU, VB-400-DOCK14/ROW.

RFID READER & ACCESSORIES

MSRP FROM $906

Connect an RFID reader to a DockController device to make body-worn camera allocation quicker and easier, using your organization's existing ID or access cards.

SPECIFICATIONS

MODEL NAME		RFID READER
PART NUMBER		RF-220
General Information	Typical Usage	Attached to a DC-200 via USB connection
	Management Software	VideoManager
	Warranty	1 year return to manufacturer warranty
	Snap-in Holder	The Snap-in Holder is used to fix the RF-220 to a flat surface
Size & Weight	Dimensions (H x W x D)	3.5 x 2.2 x 0.7 in (88 x 56 x 18 mm)
	Weight	4.1 oz (115 g)
Technical Specifications	Frequency	Low Frequency: 134.2 kHz, High Frequency: 13.56 MHz
	Read / Write Distance	4 in (100 mm) for both Low Frequency and High Frequency
	Supported Compatible Card Standards	Including but not limited to: ISO1443A (e.g. MIFARE Classic) ISO14443B (e.g. HID iCLASS) ISO15693 (e.g. HID iCLASS SE) Unity Access door access cards

KEY FEATURES

- Secure & Efficient Camera Allocation
- No Need to Log in Each Time
- Automatic Association Between Camera & User

LEARN MORE

RFID READER ACCESSORIES

TYPE	PART NUMBER
RFID Sticker-Style Tag (x10)	RF-STICKER-10
RFID-Card (x10)	RF-CARD-10

RFID Readers and accessories are compatible with VT100 & VB400 body-worn cameras

DOCK CONTROLLER

MSRP FROM $900

Simultaneously manage up to 84 body-worn cameras while also assigning them to operators using VideoManager software.

SPECIFICATIONS

MODEL NAME		DOCK CONTROLLER
PART NUMBER		DC-200/R
General Information	Typical Usage	Connected to VideoManager over Ethernet, with multiple docks attached via USB
	Management Software	VideoManager
	Warranty	1 year return to manufacturer warranty
Size & Weight	Dimensions (H x W x D)	6.1 x 5.3 x 1.5 in (154 x 136 x 37 mm)
	Weight	23.3 oz (660 g)
Scalability	Body-Worn Camera Support	Connect up to 84 body-worn cameras to one DC-200. Ideal for use with 14-port docks. Can also be used with up to 4 individual 1-port docks.
	Unlimited VideoManager Connectivity	There is no limit on the number of DC-200s that can be connected to an instance of VideoManager
Technical Specifications	Operating Temperature	32 to 104 °F (0 to 40 °C)
	Storage Temperature	-67 to +158 °F (-55 to +70 °C)
	Input Voltage (to supplied external power supply)	100 - 240V, 47 - 63Hz
	Maximum Power Consumption	20W
Connectivity	High-Speed Footage Downloads	Gigabit Ethernet Port (1000/100/10 mbps) for rapid footage download and body-worn camera assignment
	RFID-Compatible	Attach an RFID reader to one of the DC-200's USB ports to enable quick body-worn camera assignment
	Bandwidth Restrictions	Apply bandwidth rules to individual DC-200s to control how much footage is uploaded to VideoManager, and when
	High-Priority Configuration	Prioritize certain DC-200s to ensure that their footage is downloaded to VideoManager first
	Slow Connection Configuration	DC-200s with this setting enabled will continuously try to offload footage to VideoManager, ignoring the bandwidth limit
	Shared Bandwidth Groups	Add multiple DC-200s to one bandwidth group to ensure that the bandwidth limit is shared equally between them

KEY FEATURES

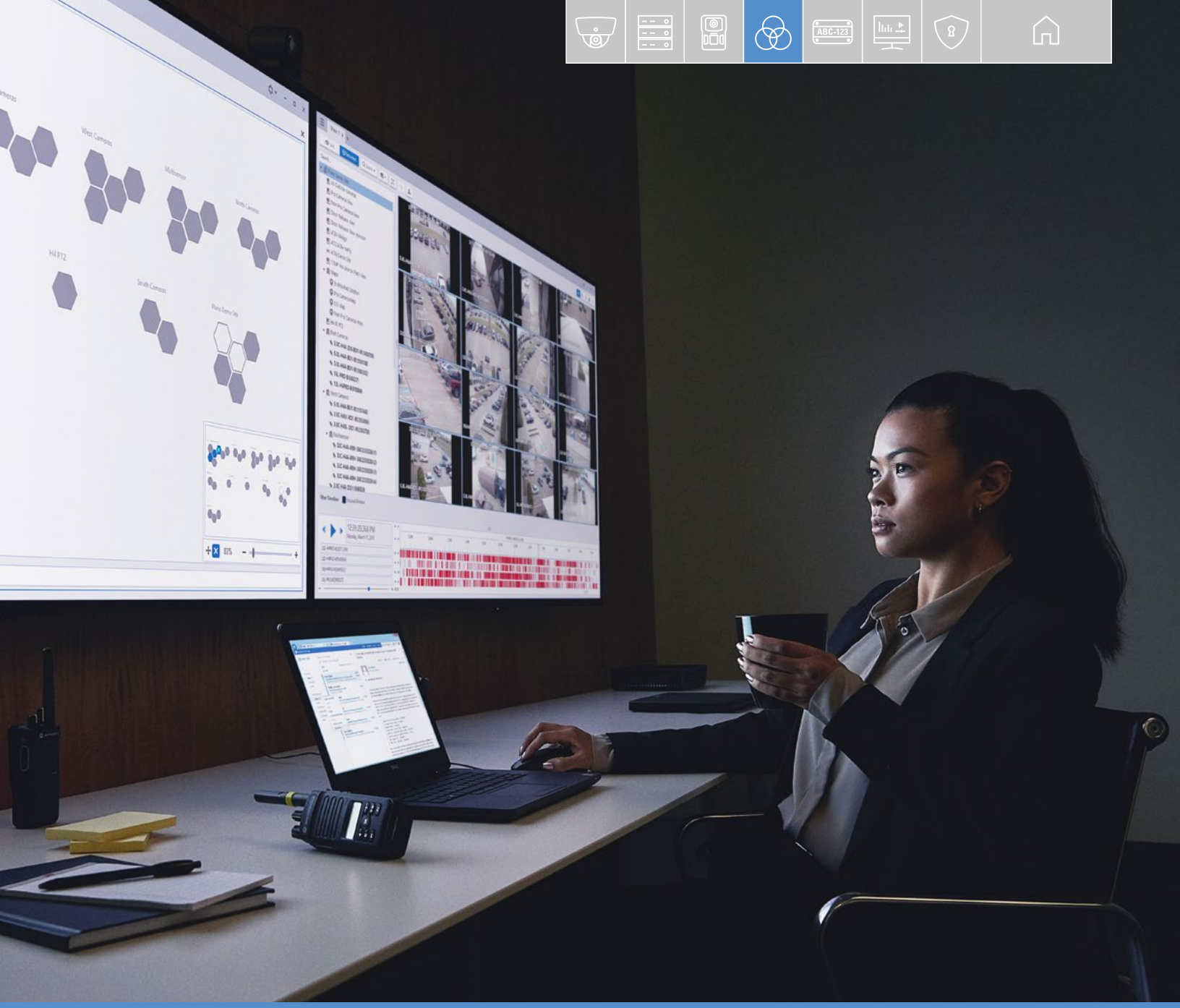
- Connect up to 84 Body-Worn Cameras
- Supports RFID Touch-Assign

LEARN MORE

REGIONAL COMPATIBILITY

US	United States
UK	United Kingdom
EU	Europe
AUS	Australia
ROW	Rest of World

Part number varies based on regional compatibility R.



MOTOROLA SOLUTIONS INTEGRATIONS

Motorola Solutions integrations offer an integrated approach to fixed video and security applications. An unparalleled ecosystem that unifies Avigilon Unity Video with voice, video, data, analytics, and software.

CONCEALED WEAPONS DETECTION

Motorola Solutions Concealed Weapons Detection (CWD)*, powered by Evolv Technology, helps to proactively keep people and assets safe by using advanced sensors and artificial intelligence to detect a wide range of concealed weapons and threats. It is the world's first and only touchless security screening solution that is conducive to supporting post-pandemic security screening requirements.

SPECIFICATIONS

		INDOOR MODELS		OUTDOOR MODELS	
PHYSICAL		**STANDARD WIDTH**	**WIDE WIDTH**	**STANDARD WIDTH**	**WIDE WIDTH**
Width	Single-Lane	66.7 in (169.4 cm)	74.7 in (189.7 cm)	70.1 in (178.1 cm)	78.1 in (198.3 cm)
	Dual-Lane	116.4 in (295.7 cm)	132.4 in (336.2 cm)	116.7 in (296.4 cm)	132.6 in (336.7 cm)
Depth		40.3 in (102.4 cm)	40.3 in (102.4 cm)	46.8 in (118.9 cm)	46.8 in (118.9 cm)
Lane Opening	At Base	32.0 in (81.3 cm)	39.8 in (101.0 cm)	28.9 in (73.5 cm)	36.4 in (92.4 cm)
	Above Base	42.0 in (106.7 cm)	49.8 in (126.4 cm)	38.9 in (98.8 cm)	46.4 in (117.9 cm)
Height	TX Tower	74.1 in (188.1 cm)	74.1 in (188.1 cm)	74.7 in (189.8 cm)	74.7 in (189.8 cm)
	RX Tower	73.7 in (187.2 cm)	73.7 in (187.2 cm)	73.7 in (187.2 cm)	73.7 in (187.2 cm)
	Mat	0.9 in (2.3 cm) at top 0.2 in (0.5 cm) at front lip	0.9 in (2.3 cm) at top 0.2 in (0.5 cm) at front lip	0.9 in (2.3 cm) at top 0.2 in (0.5 cm) at front lip	0.9 in (2.3 cm) at top 0.2 in (0.5 cm) at front lip
Weight	TX Tower	201.25 lbs. (91.28 kg)	201.25 lbs. (91.28 kg)	216.95 lbs. (98.40 kg)	216.95 lbs. (98.40 kg)
	RX Tower (2x)	53.1 lbs. (24.08 kg) each	53.1 lbs. (24.08 kg) each	53.1 lbs. (24.08 kg) each	53.1 lbs. (24.08 kg) each
	Mat and Cables (2x)	11.5 lbs. (5.2 kg) each	13.5 lbs. (6.12 kg) each	11.5 lbs. (5.2 kg) each	13.5 lbs. (6.12 kg) each
	Wireless Tablet & Floor Stand (2x)	28.5 lbs. (12.9 kg) each	28.5 lbs. (12.9 kg) each	28.5 lbs. (12.9 kg) each	28.5 lbs. (12.9 kg) each
	Wireless Tablet & Desktop Stand (2x)	6.5 lbs. (2.9 kg) each	6.5 lbs. (2.9 kg) each	6.5 lbs. (2.9 kg) each	6.5 lbs. (2.9 kg) each
	Total System Weight (Single-lane)	300.85 lbs. (136.36 kg)	302.85 lbs. (137.28 kg)	316.55 lbs. (143.48 kg)	318.55 lbs. (144.4 kg)
	Total System Weight (Dual-lane)	400.45 lbs. (181.65 kg)	404.45 lbs. (183.75 kg)	416.15 lbs. (188.77 kg)	420.15 lbs. (190.87 kg)
ELECTRICAL					
Power		115VAC - 230VAC (+/-10%); single phase; with power cord supplied			
Power Consumption		200W max power consumption			
COMPONENTS					
Cameras		2 situational awareness cameras (front and rear)[1]			
Tablet Display		15.6inch display (39.6cm) , 2 per lane (1 Floor and 1 Desktop Stand)			
		Standard or Outdoor tablets based on optional Outdoor unit			

KEY FEATURES

- Smart, AI-Based Sensor Platform
- Easy To Operate
- Respectful, Hassle-Free Experience
- Flexible Deployment Options

LEARN MORE

PHYSICAL CONFIGURATION

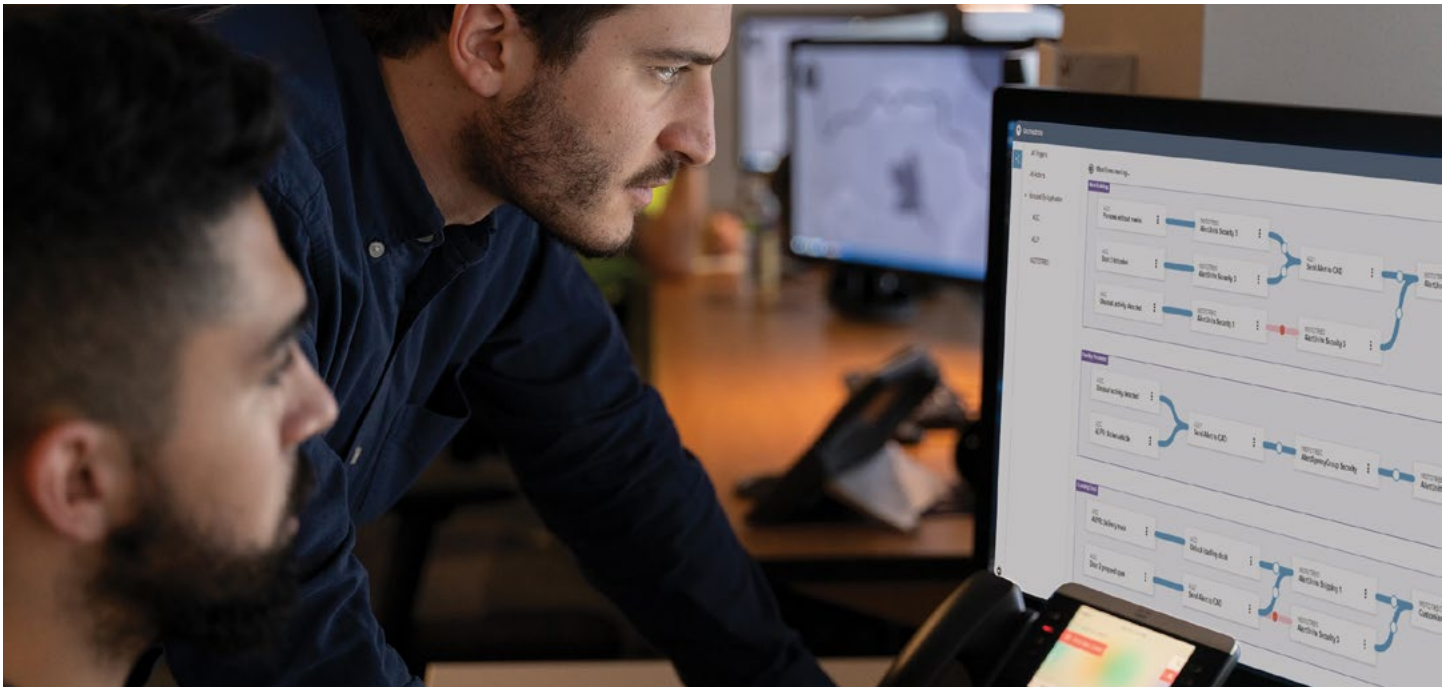
CONFIGURATION	DESCRIPTION
2 lane	From the perspective of the security operator watching people exit the towers, the receiver towers are on both sides of the center transmitter tower.
1 lane, Right Side	From the perspective of the security operator watching people exit the towers, the receiver tower is on the right side of the transmitter tower.
1 lane, Left Side	From the perspective of the security operator watching people exit the towers, the receiver tower is on the left side of the transmitter tower.

*Available to customers only in North America.

[1] Camera ports are isolated from Express internal and external networks.

ORCHESTRATE

An intuitive, cloud-based interface tool to configure, automate and manage workflows that control Motorola Solutions' integrated security and safety technologies. Orchestrate helps automate your security operations by seamlessly integrating into Avigilon's on-premise and cloud solutions.



WHY CHOOSE ORCHESTRATE?

Our unified technology ecosystem spans the incident response workflow on one platform, enabling a free flow of information and data between teams and automating response workflows to improve response times. AI and digital business logic orchestrate detection, analysis, communication, and response to events, potentially preventing incidents from escalating beyond control.

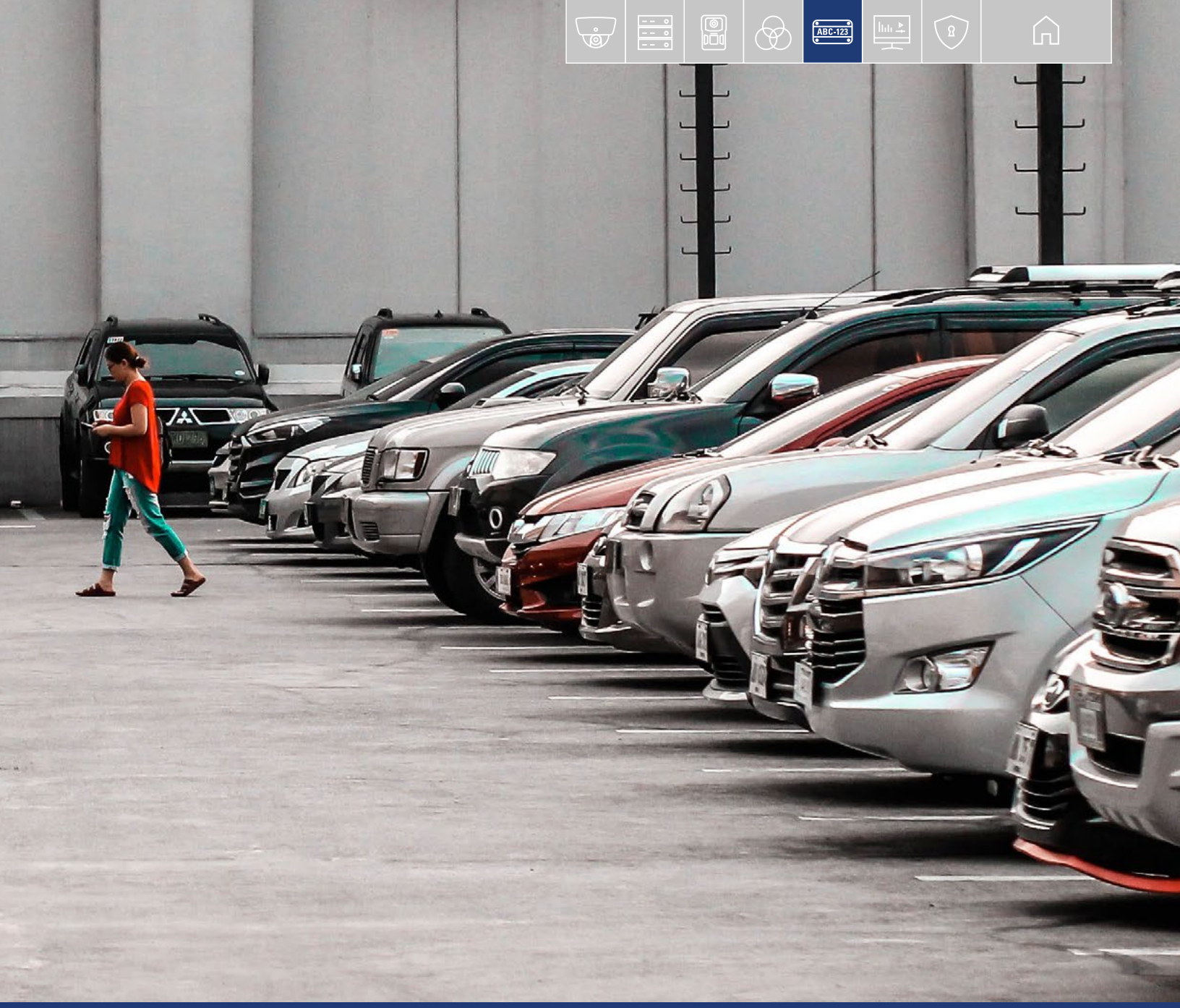
Use Orchestrate to expedite incident detection and respond faster with automated radio alerts triggered by video analytics events using the integration with Avigilon Unity.

Streamline access control operations and automate control of wireless locks to deny or allow access to individuals using the integration with Avigilon Alta.

KEY FEATURES

- Integrated Workflows
- Enterprise Cloud Platform
- Analytics-Driven Logic

LEARN MORE



LICENSE PLATE RECOGNITION SOLUTIONS

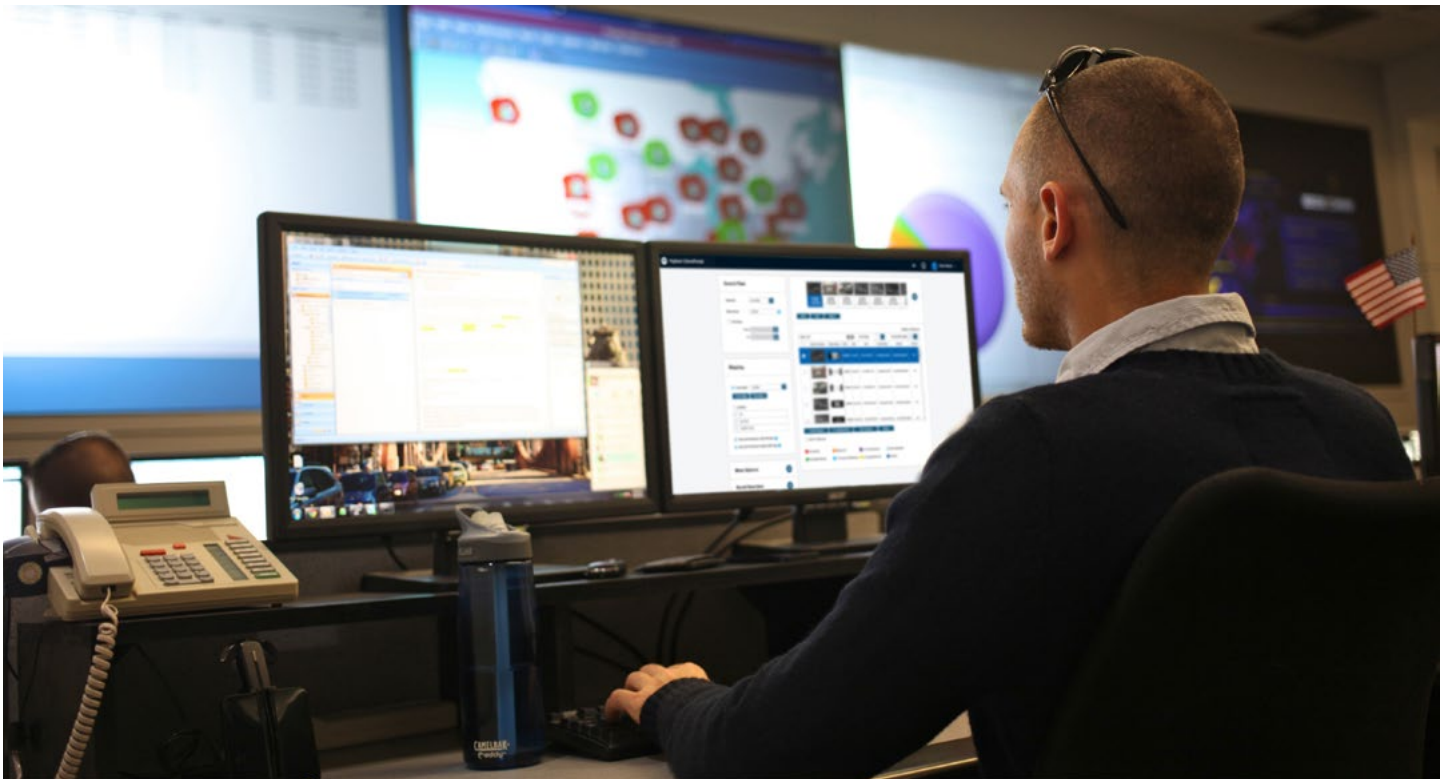
License plate recognition (LPR) systems from Motorola Solutions aren't one-size fits all, but rather designed for specific environmental needs. Our purpose-built applications for enterprise ensure your data is actionable and secure. Add an unmatched layer of efficiency to your parking and security operations with license plate recognition detections, patented vehicle location analytics and plate-based enforcement tools.

VEHICLEMANAGER ENTERPRISE (FORMERLY KNOWN AS VIGILANT CLIENTPORTAL)

MSRP FROM $6,250

Help your team instantly transform license plate recognition data into actionable intelligence with VehicleManager Enterprise. Its integration into Avigilon Unity Video allows businesses to share their license plate reads collected by Unity Video software with a law enforcement agency's 'Law Enforcement Archival Reporting Network' (LEARN) account.

Through this collaborative license plate-sharing program, businesses can aid law enforcement agencies in detecting and responding to Be-On-the-Lookout (BOLOs) vehicles without directly taking action, ensuring a safer outcome for the community.



KEY FEATURES

- Vehicle & Plate Query
- Hotlists & Auth Lists
- Data Sharing

LEARN MORE

H4 LICENSE PLATE CAPTURE (LPC) KIT

MSRP FROM $3,245

Uses IR illumination, visible light filtering and license plate recognition analytics to capture license plates at typical vehicle speeds in varying lighting conditions.

SPECIFICATIONS

MODEL NAME	H4 LPC
PART NUMBER[1]	3.0C-HD-LP-B1
Resolution	3 MP
Image Sensor (progressive scan CMOS)	1/2.8"
Max. Dynamic Range	–
Maximum Capture Speed	100 km/h (62 mph)
Max. IR Illumination Distance (single lane / dual lane)	30 m (100 ft) / 14 m (46 ft)
Environmental	IP66 weather rating[2]

LENS (REMOTE ZOOM AND FOCUS)		
4.7–84.6 mm, F1.6, P-Iris	Angle of View	3.5° – 59°
	Minimum Illumination (monochrome)	0 lux

KEY FEATURES

- Maximum Image Rate of 30 fps
- Compliant with ONVIF Profile S
- H.264 HDSM SmartCodec Technology, Motion JPEG

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	G.711 PCM 8 kHz
Audio Input/Output	Line level input/output
External I/O Terminals	4 alarm in, 2 alarm out
External Power Source	VDC: 12 V, VAC: 24 V
PoE Power Source	2x IEEE 802.3at Class 4 PoE+
Onboard Storage	SD/SDHC/SDXC slot (minimum class 4, class 6 or better recommended)

[1] This is the part number for the camera module only. Please see accessories page for enclosure and IR illuminator.

[2] This is outdoor rated - the kit includes enclosure.

L6Q LPR CAMERA SYSTEM

MSRP FROM $10,609

The Motorola Solutions L6Q license plate reader delivers enhanced safety and security right at the door. Combining License Plate Recognition (LPR) technology with simple installation and ease of use, this radar-based camera triggers when vehicles move at specific speed thresholds, even in total darkness. Paired with VehicleManager Enterprise software, the L6Q adds a layer of efficiency to your security and parking operations with patented analytics and configurable data-sharing capabilities.

SPECIFICATIONS

MODEL NAME	L6Q QUICK-DEPLOY LPR CAMERA SYSTEM
PART NUMBER[1]	LPR-VSFS-L6Q-P-SUB LPR-VSFS-L6Q-S-SUB LPR-VSF-L6Q-P-KIT LPR-VSF-L6Q-S-KIT
Resolution	1920 x 1080 px
Image Sensor	2.1 MP Starlight Sensor
Pulsed LED Illumination	850 nm
Max. Image Rate (50 Hz / 60 Hz)	N/A
Max. IR Illumination Distance1 (high power 940 nm LED)	N/A
Environmental	IP67 Weather Rating

CAMERA PERFORMANCE	
Optimal Capture Distance	55 ft (16.8m)
Capture Range	30 - 75 ft (9.1 -22.9m)
Capture Speed Maximum	100 mph (161 km/h) 75 mph (121 km/h) recommended
Field of View	24 ft (7.3 m) (multi-lane coverage)

KEY FEATURES

- Quick-Deployment
- Solar, AC/DC or Battery Operated
- Tamper-Proof with Paintable Shroud
- Capture Speed: Up to 100 mph (161 km/h)
- Multi-lane Coverage
- Captures the Vehicle Make, Model and Color
- High Temperature Range: -30 to +55°C (-22 to +131°F)
- VehicleManager Enterprise Integration with LPR Analytics

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	N/A
Audio Input/Output	N/A
External I/O Terminals	N/A
External Power Source	12vdc, Solar or Internal Batteries
PoE Power Source	N/A
Onboard Storage	microSD

Purchase: First two years of licensing included. Subscription - Five-year Commitment (includes annual Camera License Key (CLK) and hardware warranty)

VIDEO MANAGEMENT SOFTWARE

Whether you're monitoring video from fixed cameras or your suite of body-worn cameras, our video management solutions provide the control and AI-enabled tools to help ensure critical events do not go unnoticed.

AVIGILON UNITY VIDEO SOFTWARE

An end-to-end, new generation of Avigilon's video management system that merges on-premise VMS with new AI-enabled and cloud-managed capabilities. Never before seen in Avigilon's VMS, Unity Video offers a new edge-based analytics platform, AdaptAI, to detect potentially critical events such as unusual crowds, expanded vehicle subclasses and also flag auditory disturbances. Experience effortless management of multiple sites and users, a single login credential for all applications and a single installer for all software updates.

SPECIFICATIONS

MODEL NAME	CORE	STANDARD	ENTERPRISE
Cameras/Server	24	75	>300[1]
Servers/Site	1	1	>100[1]
Client Connections per Server	2	10	Unlimited
Rule Triggers	0	51	Unlimited
Avigilon Presence Detector™ Event Trigger	No	Yes	
Self-Learning Video Analytics Event Configuration	No	Yes	
Unity Access Identity Verification	No	Yes	
Unity Access Identity Search	No	Yes	
Unity Access Remote Door Access Grants	No	Yes	
Focus of Attention Interface	No		Yes
AI Appliance Support	No		Yes
Avigilon Pro Camera Support	No		Yes
Alarm Search	No		Yes
Alarm Notifications and Escalations	No		Yes
Avigilon Appearance Search Technology	No		Yes
Facial Recognition Support	No		Yes
No Face Mask Detection	No		Yes
Visible Firearm Detection support[2]	No		Yes
License Plate Event Search and Point-of-Sale (POS)	Yes		
Multi-Camera Privacy-Blurred Export from Avigilon Appearance Search Results	No		Yes
Failover Connections and Redundant Recording	No		Yes
Active Directory Integration	No		Yes
AI NVR Support	Yes		

LEARN MORE

[1] Avigilon has tested up to the number indicated, however no limits are imposed by licensing. Actual limits will depend on the hardware environment. ONVIF is a trademark of ONVIF, Inc.
[2] Requires subscription license. Deployable with ONVIF-conformant camera using AI NVR appliance.

AVIGILON UNITY VIDEO SOFTWARE

STANDARD FEATURES

- Automatic device discovery
- Support for third-party ONVIF compliant cameras and encoders including dual streaming
- Support for H.265, H2.654, MPEG4, MJPEG and JPEG2000 codecs
- HDSM™ and HDSM SmartCodec™ technology support
- Avigilon Unity Video mobile app for iOS and Android
- Light and dark user interface themes
- Unusual Motion and Activity Detection timeline filtering with Skip Play
- Intelligent Motion, thumbnail and event search
- Two-factor authentication and emergency privilege override
- Two-person authenticated recorded video viewing
- Unity web client
- FIPS 140-2 encryption
- Occupancy Counting analytics*
- Support for AdaptAI video analytics to go beyond video and object analysis by incorporating audio capabilities such as gunshot detection, crowd detection and more vehicle subclasses in Unity Video
- Multi-camera export
- System & motion event email notifications

LEARN MORE

* Cloud connected sites only

AVIGILON UNITY CLOUD SERVICES

Avigilon Unity Cloud Services allows you to seamlessly integrate your on-premise video security with cloud-managed functionality for a robust organization-wide security management platform. Enable a modern cloud-connected user experience to view live and recorded video to monitor sites and manage system health.

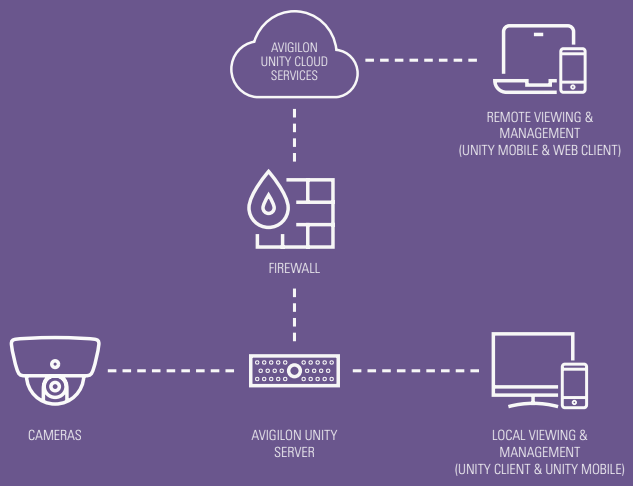
SPECIFICATIONS

Centralized Access	Anywhere Access	Organizations with distributed locations can easily access their Unity Video sites securely from anywhere on a browser or mobile device.
	Easy Remote Access	Remotely monitor multiple locations and cameras to quickly detect, verify and act on events.
	Cloud Connectivity to Unity Video Sites	Connect Unity Video sites to the cloud to converge media access, system management, and integrations.
	Tools for everyday operation	Access live and recorded video, create and view bookmarks, manage PTZ controls, and export videos to a local drive.
	Enhanced Situational Awareness	Provides timely and proactive responses to analytic alarms, sent from Unity Video software as push notifications directly to the Unity Video Mobile 3 app.
Security	Firewall Traversal	Firewall traversal enables secure remote access with minimal or no firewall reconfiguration.
	Federated Authentication	Centralize administration of user identities and use corporate credentials to access suite of Avigilon Unity Video applications.
	Seamless User Provisioning	Provisioning users is simple, as existing Unity Video group privileges are inherited for web client or mobile app viewing.
System Health Monitoring	Real-time Awareness	Confirm the operational status of your deployment to prioritize site maintenance activities and optimize uptime across all system components.
	Health Dashboard	Review a single health dashboard that rolls up the active status of all recorders and connected cameras.
	Remote Configuration Access	Access configuration details of recorders and cameras across all cloud-connected Unity Video sites.
	Remote Site Upgrades	Push software upgrades remotely to one or more Unity Video sites simultaneously, ensuring all of your sites are always on the latest versions of Unity Video.
Technical Specifications	Compatible Unity Video Platform	Unity Video 7.10 or later is required to connect Avigilon Unity Video sites to Unity Cloud Services.
	Compatible Unity Video Mobile Platform	Avigilon Unity Video mobile app is required to support remote access via a mobile device and to receive analytic alarms from Unity Video.

KEY FEATURES

The Unity Cloud Services platform enables a modern cloud-connected user experience, accessible without installation from a web browser. It lays the foundation for Unity Video customers to connect to the cloud and take advantage of capabilities and features that provide centralized access.

Our platform provides for the delivery of value-add services, helping to improve your up-time, and enhance productivity, while also strengthening your security. The Unity Cloud Services platform simplifies the management of physical security systems for customers.



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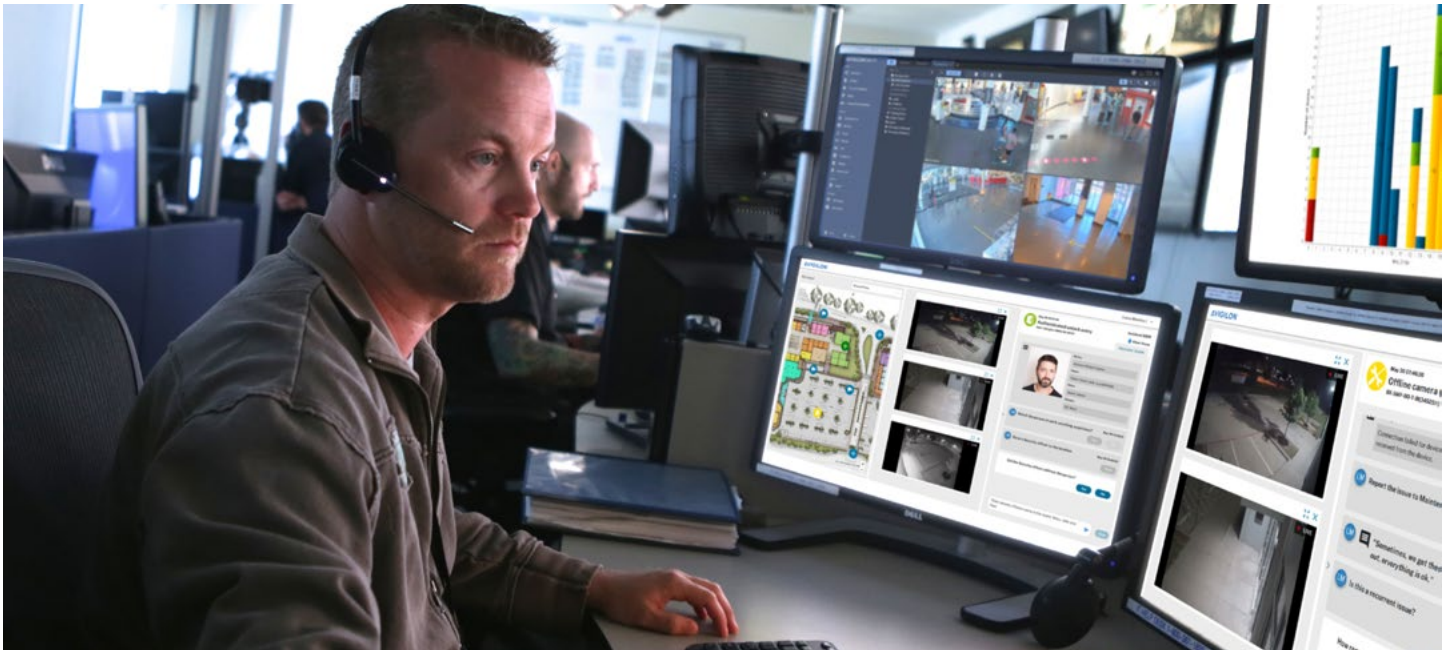
AVIGILON DECISION MANAGEMENT SYSTEM (DMS)

Enable a 100% cloud-based decision management module within Avigilon Unity Cloud Services. Streamline investigations with an intuitive interface. Easily unify video, access control and intrusion management into a single screen.

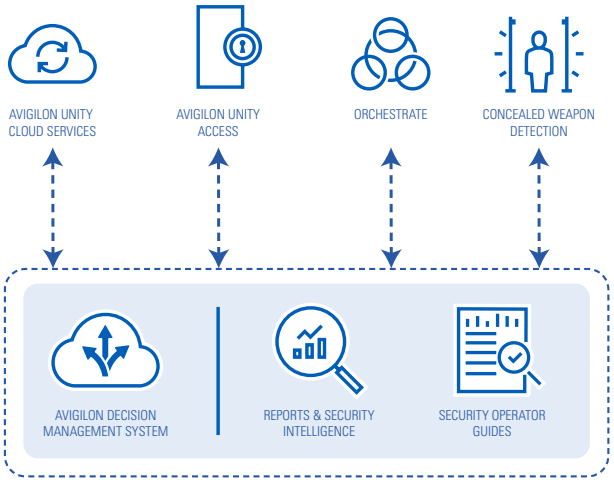
Protect your people and property with the DMS module's multi-faceted security approach, leveraging its deep integration with Motorola Solutions' cloud-based video and access control platforms. Manage video analytics alerts and access control events, review threats and identify unauthorized individuals and deny their access to sensitive areas through the DMS' integration with Avigilon Unity, Alta and Orchestrate.



KEY FEATURES

- Single-Screen Interface
- Simplify Decision-Making
- Collaborative Incident Reporting

LEARN MORE



SMART ASSURANCE PLAN

The Avigilon Smart Assurance Plan offers optimal protection for your Avigilon Unity Video management software in the form of annual and multi-year upgrade plans, ensuring you always have timely access to the newest capabilities and services over the life of your plan.

PLAN DETAILS

1-YEAR	3-YEARS	5-YEARS
All plans include:		
Eligibility to all Avigilon Unity Video software versions released during the life of your plan, which never expires		
Advanced System Health		
Cost certainty on upgrades for the life of your plan		
Easy renewal at the end of your plan's term		

KEY FEATURES

- Protect System Investment
- Pain-free Upgrades
- Timely Access to New Features
- Cost Certainty

LEARN MORE

Avigilon Unity Video 7.14.0 or newer is required to use Smart Update parts.

VIDEOMANAGER SOFTWARE

MSRP FROM $242*

SUPPORTS VT100 & VB400 BODY-WORN CAMERAS

Browser-based system for management of users and devices as well as the managing, storing and sharing of digital evidence.

SPECIFICATIONS

Workflow Control	Granular Permissions	Users can only access the parts of the VideoManager interface which are relevant to their workflow.
	Granular Sharing	Incidents and videos can be automatically or manually shared between users and groups on VideoManager. Instances can be shared with workers who are not on VideoManager, using time-sensitive links or exports.
	Permissions Overview	Administrators can see permissions associated with a user, and how they got those permissions.
	Priviledge Escalation	Authorized users can temporarily elevate their priviledges for a limited time, in order to perform certain actions on VideoManager.
	Deletion Policies	Configure how long footage is kept on VideoManager before it is deleted.
	Automatic DockController Firmware Upgrades	Ensure your suite of DockControllers always have the latest firmware, eliminating manual upgrades. Configure a specific timeframe for DockController firmware upgrades, to minimize workflow disruption.
Security	Comprehensive Audit Trail	A comprehensive audit log of every action performed in the system is created. Users can create and download audit logs to view these actions if necessary.
	Access Control Keys	Without a device's access control key, undownloaded footage on a device is inaccessible.
	File Space Encryption	Footage, report and export filespaces are automatically encrypted for extra security.
Scalability	Bulk Edit	Large numbers of events can be instantaneously deleted or added to incident collections. Large numbers of body-worn cameras can be assigned or upgraded in parallel.
	User Groups	Put multiple users in a group for sharing and management purposes. Groups can be supervised by individual users, or other groups.
	Reports Creation	Download reports detailing various aspects of VideoManager activity e.g. when devices were docked and undocked.
	Live Statistics	View real-time statistics with information about how VideoManager is being used.
Technical Specifications	Compatible Server Platforms	Windows Server 2016 Essentials, Standard and Datacenter, Windows Server 2012 R2 Essentials, Standard and Datacenter, Windows Server 2012 Essentials, Standard and Datacenter, Windows 10 Pro and Enterprise and Windows 8.1 Pro and Enterprise
	Compatible Client Browsers	Microsoft Internet Explorer 11 (Windows 7/8.1/10), Microsoft Edge 14+ (Windows 10), Firefox 47+ (Windows 10), Chrome 48+ (Windows 7/8.1/10, MAC OS X v10.10).

CONNECTIVITY FEATURES

- Integrates with Avigilon Unity Video management software (via ONStream technology)
- Can be enabled as a central VideoManager, to which other instances of VideoManager ("sites") can be connected
- Connect VideoManager to CommandCentral Vault, for footage storage and correlation with other CommandCentral Suite applications[1]
- Group footage and other important media in an incident for ease of view

EVIDENCE PREPARATION FEATURES

- Put multiple incidents in an incident collection for sharing and management purposes
- Redact footage and images using effects like bluring, pixelation and highlighting. Audio, text and zoom redactions are also available
- Non-video media (PDFs, MP4s, JPGs), and videos which were not recorded using VT100 or VB400 can be imported to VideoManager and added to incidents

LEARN MORE

*Based on VM-EPL-VT-CONNECT-1.

[1] Requires CommandCentral Vault subscription.

AVIGILON ALTA AWARE

MSRP FROM $229

Open, scalable, secure and easy to use, Alta Aware is an enterprise-grade, cloud-based AI video management system (VMS) equipped with integrated machine learning capabilities.

SPECIFICATIONS

PART NUMBER	AWA-CLD-1YR AWA-CLD-3YR AWA-CLD-5YR AWA-CLD-10YR
Device support	Automatic device discovery Third-party IP & encoders H.264 compression MJPEG video compression JPEC2000 video compression
Streaming	Dynamic Stream selection
Search	Search by similarity Search by physical characteristics Search by event Search by image Search across all video Smart Presence
Pervasive Video Analytics	Unusual event detection People counting Vehicle counting Forensic investigation Intrusion detection Spotlight Audio analytics
Security and Privacy Protection	HTTPS camera connectivity SRTP support AES video encryption Digital watermarking against tampering RTSP over TLS No default passwords Mandatory access authentication
Alerting and notifications	Real-time notifications Email event notifications Webhooks Rules tool

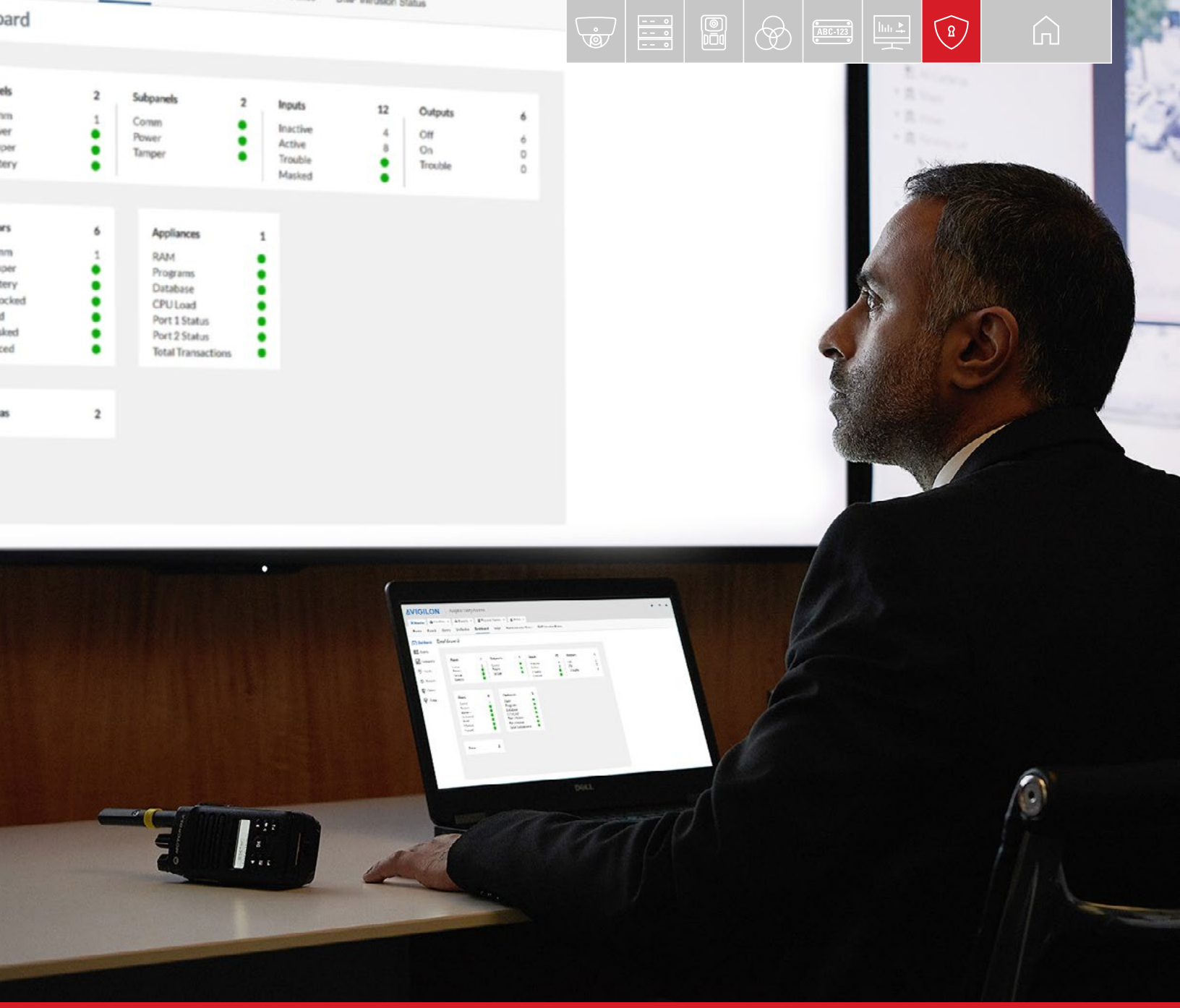
ADDITIONAL ALTA AWARE LICENSES

PRODUCT NAME	PART NUMBER
Alta Aware Audio Recording License	LIC-AUD-REC
Alta 30 Day Cloud Storage License	AWA-CLD-STR-1Y-30 AWA-CLD-STR-3Y-30 AWA-CLD-STR-5Y-30
Alta 60 Day Cloud Storage License	AWA-CLD-STR-1Y-60 AWA-CLD-STR-3Y-60 AWA-CLD-STR-5Y-60
Alta Cloud Storage Connect	AWA-CLD-BYO-1Y AWA-CLD-BYO-3Y AWA-CLD-BYO-5Y
Alta (formerly Openpath) Access Control Integration License	ACI-INT-OP
Alta Aware Access Control Integration License	ACI-INT-1Y ACI-INT-3Y ACI-INT-5Y
Alta Aware LPR License	LIC-LPR-CHAN-1Y LIC-LPR-CHAN-3Y LIC-LPR-CHAN-5Y

KEY FEATURES

- Open cloud platform
- Access anywhere via browser or mobile app
- Easy to configure and manage
- Intelligent AI video and audio analytics
- Smart search tools
- Built-in security and privacy
- Integrate sensors and third party cameras

LEARN MORE



UNITY ACCESS CONTROL

Motorola Solutions Avigilon Unity Access is an on-premise access control system for enterprise-class installations. Designed to be quickly deployed and easy to use, Unity Access provides operators with an intuitive turnkey solution so they can focus on protecting people, properties and assets. Unity Access seamlessly integrates with Unity Video software to provide a powerful and unified security solution that helps you proactively monitor and secure your sites.

AVIGILON UNITY ACCESS SOLUTIONS

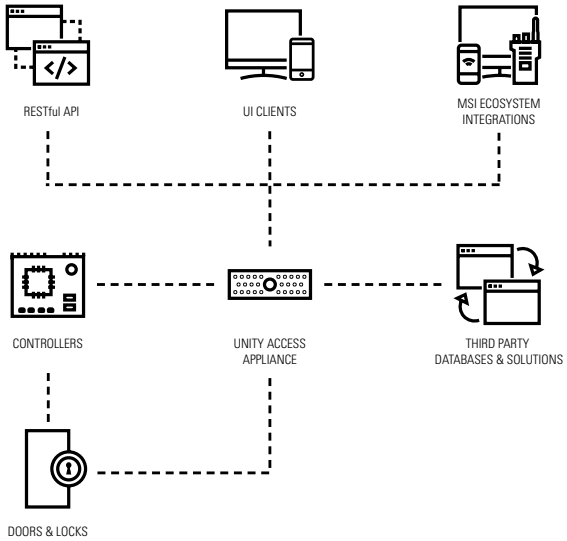
Deployed with an open architecture and 100% browser-based, Unity Access integrates with various access control software and hardware from trusted manufacturers, offering great flexibility and personalization possibilities. As a mobile-friendly, end-to-end security solution, Unity Access helps achieve a high level of scalability with a lower cost of ownership. Build your preferred access control solution with a selection of devices and third-party vendor integrations that enable you to combine solutions into a simplified all-in-one system.

DETAILS

Identity Management	Integrated Badging	Ability to design and print badges from within the Unity Access Browser.
	Collaborations	Sync with multiple directories and databases to pull identity data, badges, binary large objects, users and roles.
	Reports	Generate reports to review past events, alarms and identities' previous whereabouts. Use predefined or customized queries reports to organize desired data and download the report directly from Unity Access.
Alarm Management	Event Correlation & Alarm Monitoring	Alarm management workflow, with visual representations of alarms using color-based priority indicators, audible alerts, the ability to view live and recorded video, append notes, receive instructions, acknowledge and clear alarms.
	Integrated Video & Mapping Interface	Automated alarms generated by Unity Access can be viewed on a map and linked to the associated live or recorded video stream from Unity Access Video software.
	Area Management	Ensure all personnel are accounted for with real-time tracking that displays where individuals are at all times based on their badging activity. Manage identities after an event or schedule them to be cleared from an area to reset for the next day.
Open-Field Hardware Support & Integrations	Controllers & Sub-Panels	Protect and future-proof your access control investment by using open-field hardware from leading manufacturers.
	Intrusion Detection	Integration to intrusion detection systems to automate the management and control within the Unity Access system.
	Wireless Locks	Integration with leading third-party wireless lock vendors.
	Biometric Readers	Integration to biometric fingerprint reader technology.
	pivCLASS	Integration with HID® pivCLASS® technology when implemented in an HSPD-12 environment requiring FIPS 201-2 evaluation program approval.
	Video Security	Unification with Unity Video software and integration with other third-party video management software to better inform responses with video context.
Easy to Use & Deploy	Turnkey Operation	Easy installation experience with server appliances that are ready to go the moment you plug them in.
	Templates	Wide selection of easy-to-use templates for doors and wiring for faster configuration.
	Customized Reporting	Pre-defined, ready-made reports that can be customized to display important access control data.
	Peer-to-Peer Replication	Patented technology that allows for replication of identity data on multiple appliances across many sites. This embedded technology requires no additional software or hardware and simplifies identity management, promotes consistency of identity data and reduces data entry efforts.
	Scalable Deployment Model	Unity Access appliances allow you to start with what you need on individual appliances, then expand by adding doors and replicating to additional appliances as your organization grows.
	Mobile App	The Unity Access mobile app provides quick and easy access to view any door status remotely, activate a sitewide lockdown or any global action, deactivate an identity and more – anytime, anywhere.

KEY FEATURES

- 100% browser-based and Linux-based, turnkey security solution
- Integrate via RESTful API
- Manage devices and areas statuses in real-time from an interactive map
- Assign and manage role-based identities and streamline alarm management
- Leverage the open-platform hardware support and integrate with leading third-party wireless lock vendors
- Perform daily operations swiftly and respond to critical events at any time with the mobile app
- Unify with video management software for end-to-end security



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UNITY ACCESS 6 SYSTEM

Designed to help you focus on securing your people, property and assets, while giving you the flexibility to respond to alerts wherever you are.

SPECIFICATIONS

EDITION	PROFESSIONAL	ENTERPRISE	ENTERPRISE PLUS	VIRTUAL
PART NUMBER	AC-APP-R R-PRO-6	AC-APP-R R-ENT2-6	AC-APP-R R-ENT-PLUS-6	AC-APP-R R-VM-6-P
	MSRP from $2,274	**MSRP from $5,001**	**MSRP from $16,143**	**MSRP from $3,410**
Appliance Type	Small form factor, desktop	1U rack mount chassis		VMware vSphere® ESX(i) 6.5+[1] or Microsoft Hyper-V
Max. Number of Doors	16–32	16–400	16–2048	16–2048
Max. Simultaneous Operators	10	20	50	
Max. Identities	75,000	250,000	500,000	
Max. Stored Transactions	75,000,000	150,000,000		
Storage	500 GB (7.2K RPM SATA)	1 TB (7.2K RPM SATA 6 Gbps)	1.3 TB (4 x 480 GB SSD RAID5)	1 TB SSD[1]
Processor	3.7 GHz Intel Pentium® 5400 (4 MB cache, 2C/4T, 65 W)	Intel Xeon E-2124 3.3GHz, 8M cache, 4C/4T, turbo (71W)	3.8 GHz Intel Xeon E3-1270 v6 (8 MB cache, 4C/8T, Turbo, 72 W)	3.8 GHz Intel Xeon E3-1270 v6 (8 MB cache, 4C/8T)
Memory	4 GB (1 x 4 GB) (2.6 GHz DDR4 Non-ECC)	8GB 2666MT/s DDR4 ECC UDIMM	32 GB (2 x 16 GB) (2400 MT/s DDR4 UDIMMs)	32 GB[1]
Network Interface	1 Gigabit Ethernet Intel	1 Gigabit Ethernet Broadcom 5720		1 Gigabit Ethernet[1]
Replication & Hot Standby Auto Failover	No	Yes		
RAID & Hot-Swap Components	No		Yes	Yes[1]
LICENSE OPTIONS				
Max. Number of Doors Supported per License R	16 doors 32 doors	16 doors 32 doors 64 doors 128 doors 256 doors 400 doors	16 doors 256 doors 512 doors 1024 doors 2048 doors	16 doors 32 doors 64 doors 128 doors 256 doors 512 doors 1024 doors 2048 doors

STANDARD FEATURES

- Quick online license management
- Email notification
- Event monitoring and schedules
- Identity search, import/export and management
- Panel and door status
- Preconfigured and custom reports
- Firmware updates
- OSDP In/Out door support
- Backup and restore
- PoE compatible Mercury hardware
- Migration from Unity Access Embedded Controller
- Mercury and HID hardware interoperability
- Software integrations (video, intrusion, wireless locks and visitor management)
- Biometric integrations
- Support for Mercury Security large encoded card formats
- Graphic maps and muster dashboard
- Photo import/export
- Alarm management andacknowledgment
- Badging
- Multi-language
- System configuration templates for doors, wiring, input and output, to enable quick Batch Add set up
- Mercury Security panel certificates for added security
- GSA approved products list

LEARN MORE

[1] System recommendations.

CONTROLLERS & SUB-PANELS

MSRP FROM $513

With hardware options for small to enterprise level systems, deploying and managing your Unity Access system has never been more intuitive and flexible as it is today.

Platinum Elite MERCURY

DETAILS

MODEL NAME	CONTROLLERS	INTERFACE MODULES	I/0 MODULES
PART NUMBER	AC-MER-CONT-LP1501 AC-MER-CONT-LP1502 AC-MER-CONT-LP2500 AC-MER-CONT-LP4502	AC-MER-CON-MR52 AC-MER-CON-MR52-S3B AC-MER-CON-MR52-S3 AC-MER-CON-MR50 AC-MER-RIM-MR62E	AC-MER-CON-MR16IN AC-MER-CON-MR16OUT
Features	Manage 1 to 64 readers per controller Enhanced data security with embedded crypto memory chip Flexible installation for different environments with PoE, PoE+ or RS-485 connectivity Expand I/O and readers by simply adding input, output and reader interface modules	Low-cost and high-performance for all door interface needs Manage multiple door openings with auxiliary point control and monitoring Provide access control and security monitoring using any of the Mercury controllers connected to the Unity Access system Enhanced data security with embedded crypto memory chip	Monitor high concentrations of inputs and outputs with the Unity Access system Compact footprint and RS-485 connectivity Capable of supporting 16 general-purpose dry-contact inputs or 16 relay outputs Supports being clustered or distributed to suit the installation environment

LEARN MORE

READERS & CREDENTIALS

The Unity Access system offers trusted and secure door readers and multipurpose credential options to keep security at the forefront of your facility.

DETAILS

MODEL NAME	VIRDI BIOMETRIC ACCESS READERS	AVIGILON SE CARD READERS	AVIGILON SE CREDENTIALS	AVIGILON SIGNO CARD READERS	AVIGILON SEOS CREDENTIALS
PART NUMBER	AC-VT-READ-BIO-RFID-AC5000SC-BLK-NA AC-VT-READ-BIO-RFID-AC2000SC-NA AC-VT-READ-BIO-RFID-AC2000IC-NA AC-VT-READ-BIO-RFID-AC5000IC-NA	AC-HID-READ-ICLASS-SE-R10-AVG AC-HID-READ-ICLASS-SE-RP40-AVG	AC-HID-CARD-ICLASS-SE-3000-AVG AC-HID-CARD-ICLASS-SE-3000-AVG-NL	AC-HID-READER-SIGNO-40TKS-01-00001H-AVG AC-HID-READER-SIGNO-20TKS-01-00001H-AVG AC-HID-READER-SIGNO-20KTKS-01-000000-AVG AC-HID-READER-SIGNO-40KTKS-01-000000-AVG	AC-HID-CARD-SEOS-5006PGCMN-AVG AC-HID-CARD-SEOS-5006PGGMN-AVG AC-HID-FOB-SEOS-5266PNNA-AVG
	MSRP from $892	**MSRP from $216**	**MSRP from $7**	**MSRP from $314**	**MSRP from $8**
Features	Detect fingerprints quickly and accurately and discern fake biometric attempts for high security environments Easily set up and manage biometric identities directly from the Unity Access system Get real-time visibility into current risk position and reduce unauthorized access	Multipurpose card reader to suit different installation environments Offers secure communications by utilizing the latest authentication through the Secure Identity Object (SIO) data model	Purposefully designed for the Unity Access system Advanced 56-bit format provides multiple levels of security	Highly versatile with support for the widest range of credential technologies, including HID Mobile Access Ultra secure storage of cryptographic keys on certified secure element hardware Includes out-of-the-box support for Open Supervised Device Protocol (OSDP) for secure bidirectional communication	Leverages advanced Seos credential technology by HID Global, allowing seamless migration to a higher standard of security and functionality Advanced 56-bit format provides multiple levels of security Available in logo card, non logo card or FOB

LEARN MORE

READERS & CREDENTIALS

The Unity Access system offers trusted and secure door readers and multipurpose credential options to keep security at the forefront of your facility.

Farpointe Data
Readers • Credentials

DETAILS

MODEL NAME	FARPOINTE DATA CONEKT READERS AND CREDENTIALS	FARPOINTE DATA DELTA READERS	FARPOINTE DATA RANGER READERS	FARPOINTE DATA GUARDIAN READERS	FARPOINTE DATA GIBRALTAR READERS	FARPOINTE DATA PYRAMID READERS
PART NUMBER	AC-FP-READ-CSR-35L-OSDP AC-FP-READ-CSR-35L-WG AC-FP-MOB-CMC-2 AC-FP-FOB-CSC-2 AC-FP-CARD-CSM-2S AC-FP-CARD-CONEKT-CSM-2P AC-FP-CARD-CONEKT-CSK-2	AC-FP-READ-DELTA3-CSN AC-FP-READ-DELTA3-SECTOR AC-FP-READ-DELTA5-CSN AC-FP-READ-DELTA5-SECTOR AC-FP-READ-DELTA5.3-CSN AC-FP-READ-DELTA5.3-SECTOR AC-FP-READ-DELTA6.4-CSN AC-FP-READ-DELTA6.4-SECTOR	AC-FP-REC-LONG-RANGE-WRR-22 AC-FP-REC-WRR-44	AC-FP-READ-GUARDIAN-VR-P-403-HA AC-FP-READ-GUARDIAN-VR-P-405-HA AC-FP-READ-GUARDIAN-VR-P-410-HA	AC-FP-READ-GIBRALTER-BR-P-455-HA AC-FP-READ-GIBRALTER-BR-P-453-HA	AC-FP-READ-P-300-H AC-FP-READ-P-300-H-A AC-FP-READ-P-500-H AC-FP-READ-P-500-H-A AC-FP-READ-PROX-EURO-P-530-HA AC-FP-READ-PROX-KEYPAD-P-620-HA AC-FP-READ-P-640-H AC-FP-READ-P-640-H-A AC-FP-READ-P-710-H AC-FP-READ-P-710-H-A AC-FP-READ-P-900-H AC-FP-READ-P-900-H-A
	MSRP from $8	**MSRP from $373**	**MSRP from $300**	**MSRP from $603**	**MSRP from $886**	**MSRP from $121**
Features	Enables smartphones to be the access credential with a secure smartphone wallet app Readers read Conekt BLE mobile credentials as well as traditional physical credentials Supports industry standard and custom formats	Enhanced smartcard encryption and optional DESFire EV1 and EV2 support Supports industry standard interfaces Based upon the world-standard MIFARE technology, ideal for ISO14443 applications Installs indoors or outdoors	Exceptionally long read range—up to 200 ft (61 m) Ideal for parking facilities, gated communities, marinas and more Supports industry standard electronic access control interfaces	Vandal-resistant with thick polycarbonate material, epoxy potted electronics and tamper proof screws Suited for schools, inner-city environments, correctional facilities, or where heavy machinery is operated	Vandal-resistant with stainless steel built and reinforced with a bullet-resistant Shot Blocker insert and tamper proof screws Suited for schools, correctional facilities, housing authorities, and where heavy equipment is operated	Outstanding read range and excellent read speed Mounts to most surfaces, including metal Installs indoors or outdoors Supports industry standard interfaces

For full list of part numbers including credentials, contact your local sales representative.

LEARN MORE

READERS & CREDENTIALS

The Unity Access system offers trusted and secure door readers and multipurpose credential cards to keep security at the forefront of your facility.

SCHLAGE

DETAILS

MODEL NAME	**SCHLAGE MOBILE ENABLED MULTI-TECHNOLOGY READERS**	**SCHLAGE MULTI-TECHNOLOGY READERS**	**SCHLAGE SMART CARD READERS**	**SCHLAGE PROXIMITY READERS**	**SCHLAGE WIRELESS READERS**	**SCHLAGE ENROLLMENT READERS**
PART NUMBER (READERS)	**AC-SCH-READER-MTB11** **AC-SCH-READER-MTB15** **AC-SCH-READER-MTKB15**	**AC-ING-READ-APTIQ-MULL-MT11** **AC-ALL-READ-APTIQ-OSDP-MULL-MT11-485** **AC-ING-READ-APTIQ-SNG-MT15** **AC-ALL-READ-APTIQ-OSDP-SNG-MT15-485** **AC-ING-READ-APTIQ-KEYPD-MTK15** **AC-ALL-READ-APTIQ-OSDP-KEYPD-MTK15-485** **AC-ALL-READ-APTIQ-WIEGAND-MTMSK15**	**AC-ING-READ-APTIQ-MINI-SM10**	**AC-ING-READ-XCEEDID-PROX** **AC-ING-READ-XCEEDID-PROX-C**	**AC-ALL-SCH-WPR400-MT**	**AC-ING-READ-APTIQ-ENROLL-MT20**
	MSRP from $447	**MSRP from $428**	**MSRP from $204**	**MSRP from $215**	**MSRP from $2,729**	**MSRP from $679**
Features	Eases the transition from existing proximity systems to secure encrypted card technologies or mobile solutions Supports Schlage Mobile Access Credentials (BLE) and Near Field Communication (NFC) Offers support for Apple's Enhanced Contactless Polling (ECP) for Apple Wallet and Google Pay credentials	Recognizes magnetic stripe, proximity, Schlage smart card and NFC-enabled smart devices Works with industry standards and common access control system interfaces	Sleek, compact and cost-effective for high-security applications Mini-mullion design is ideal for installation in tight spaces Meets applicable ISO standards to integrate with many access control systems Mutually authenticated in communication between the card and reader for optimum security	Sleek, compact and cost-effective for applications requiring lower security Mini-mullion design is ideal for installation in tight spaces Recognizes most industry leading 125 kHz proximity credentials Easily integrates into existing legacy proximity systems and are compatible with new installations	Quickly extend a facility's access control to remote locations Battery-operated device that can be handheld or placed in a temporary location for credential verification LED indicator visually confirms credential verification or rejection Utilizes the same credential reader modules offered with an AD Series lock	Simplifies enrollment of smart and multi-technology credentials in "No-Tour" multifamily applications Program encrypted credentials, such as a keyfob, over Wi-Fi or USB connection to PC When presented at a lock by the user, the pre-programmed credentials automatically update the lock database

For full list of part numbers including credentials, contact your local sales representative.

LEARN MORE

READERS & CREDENTIALS

The Unity Access system offers trusted and secure door readers and multipurpose credential cards to keep security at the forefront of your facility.

STid

DETAILS

MODEL NAME	STID ARCHITECT® BLUE READERS	STID ARCHITECT® BLUE DESKTOP READER/ ENROLLER	STID UHF & BLUETOOTH® MULTI-TECHNOLOGY READER	STID SWEDGE ENROLLMENT KITS	STID PROGRAMMING KITS	STID CREDENTIALS
PART NUMBER	AC-STID-READER-ARC1S-W33-B/BT1-70S/1A AC-STID-READER-ARC1S-R31-B/BT1-3I/1A AC-STID-READER-ARCS-W33-A/BT1-70S/1A AC-STID-READER-ARCS-W33-B/BT1-70S/1A AC-STID-READER-ARCS-W33-C/BT1-70S/1A AC-STID-READER-ARCS-W33-AQ/BT1-70S/1A AC-STID-READER-ARCS-W33-BQ/BT1-70S/1A	NORTH AMERICA: AC-STID-ENROLL-READER-USB-ARCS-R35-H/BT1-5AQ/1A EUROPE: AC-STID-ENROLL-READER-USB-ARCS-R35-H/BT1-5AB/1A	US UPPER-BAND: AC-STID-READER-SNA-W53-A/BT4-70S/1 EUROPE LOW-BAND: AC-STID-READER-SNA-W43-A/BT4-70S/1	NORTH AMERICA: AC-STID-ENROLL-READER-UHF-SWEDGE-W55 EUROPE: AC-STID-ENROLL-READER-UHF-SWEDGE-W45	ARCHITECT® BLUE PROGRAMMER: AC-STID-ARCHITECT-PROGRAMMING-KIT-SECARD-BT SPECTRO NANO PROGRAMMER: AC-STID-SPECTRE-PROGRAMMING-KIT-ULTRYSV2	AC-STID-CARD-NONPROGRAMED-CCTW670 AC-STID-KEYFOB-NONPROGRAMED-PCGW671 AC-STID-TAG-UHF-WINDSHIELD-ETA-W75B-574BE10
	MSRP from $384	**MSRP from $542**	**MSRP from $1,977**	**MSRP from $1,123**	**MSRP from $1,245**	**MSRP from $7**
Features	Wide range of sizes and features: mullion or standard readers, capacitive keypad or touchscreen readers, and more Various mobile identification modes available Secure readers with RFID and Bluetooth® technologies	Designed for all short-range contactless encoding, enrollment and identification applications	Compact UHF and Bluetooth® reader Secures and eliminates vehicle access lines	Easy enrollment of all UHF identifiers by keyboard emulation Includes desktop reader and SWEDGE software	Software kits to configure non programmed readers	Designed for all access control and high security identification applications Several chip technologies available to meet all access control needs

LEARN MORE

For full list of part numbers including credentials and MSI-programmed versions, contact your local sales representative.

POWER SUPPLIES

MSRP FROM $551

High-efficiency, cost-effective power supplies from LifeSafety Power provide all the power needed for up to 16-door applications.

DETAILS

MODEL NAME	LIFESAFETY POWER	ELMDENE[1]
PART NUMBER	AC-LSP-2DR-MER AC-LSP-2DR-MER-LCK AC-LSP-4DR-MER AC-LSP-4DR-MER-LCK AC-LSP-8DR-MER AC-LSP-8DR-MER-LCK AC-LSP-16DR-MER AC-LSP-16DR-MER-LCK	AC-ELM-1DR AC-ELM-2DR AC-ELM-4DR AC-ELM-4/12DR-EXP AC-ELM-12DR AC-ELM-4/12DR-EXP-LCK AC-ELM-12DR-LCK AC-ELM-ACCESS-EXP-PLATE
Max. Number of Doors Supported	4DR: 4 8DR: 8 16DR: 16	1DR: 1 2DR: 2 4DR: 4 12DR: 12
Features	Designed to house Mercury Security controllers Separate 24 VDC circuit provides lock power within the same enclosure, saving the cost of added hardware and installation time	Designed to house Mercury Security controllers 13.8 VDC 4A output supplies continuous full rated current to load Additional 0.5A to charge standby battery Modular construction for ease of maintenance and installation

LEARN MORE

[1] Listed products from Elmdene are only available in the European Union and the United Kingdom.

WIRELESS LOCK INTEGRATIONS

The Unity Access system seamlessly integrates with third-party wireless locks for you to combine all of the components of an access controlled door into a simplified all-in-one system that saves time and costs.

SCHLAGE — VON DUPRIN

DETAILS

MODEL NAME	SCHLAGE AD SERIES LOCKS	SCHLAGE PIM400 & PIM300	SCHLAGE LE/B & NDE/B LOCKS	SCHLAGE CONTROL MOBILE ENABLED LOCKS	VON DUPRIN RU/RM CRASHBARS
PART NUMBER	AC-SCH-AD400-CUSTOM AC-SCH-AD300-CUSTOM (WIRED) AC-SCH-993-CUSTOM (CRASHBAR)	AC-ALL-SCH-PIM400-485-RSI AC-ALL-SCH-PIM400-1501-LC AC-ALL-SCH-PIM400-TD2 AC-ALL-SCH-PIB300-2D	AC-SCH-NDE-CUSTOM AC-SCH-LE-CUSTOM	AC-SCH-CONTROL-BE467F-CUSTOM AC-SCH-CONTROL-FE410F-CUSTOM	AC-SCH-RU-VOND-3-47258681 AC-SCH-RU-VOND-4-47258682 AC-SCH-RM-VOND-3-47258683 AC-SCH-RM-VOND-4-47258684
	CALL FOR PRICE	**MSRP from $664**	**CALL FOR PRICE**	**MSRP from $559**	**MSRP from $956**
Features	Upgrade to new technologies without taking locks off the door Cylindrical, mortise, mortise deadbolt and exit trim chassis options Built-in credential reader and access control sensors for simplified installation FIPS 201-2 compliant	Standard IP addressable intelligent controller for up to 16 AD Series wireless devices Manage up to 240,000 cardholders and 50,000 transactions in memory PoE compliant to IEEE 802.3af	Affordably extend electronic access control deeper into your facility Packaged with credential reader and access control sensors for simplified installation LE mortise locks can be ordered with LED indicator, interior push button (IPB) or deadbolt for tailored applications NDEB cylindrical locks can be ordered with IPB to extend the lock to include storeroom, office, privacy and apartment applications	Designed for multifamily residences Allow residents to gain access using a smart credential or their smartphone Eliminate the cost and hassle of keys Available as a deadbolt or interconnect lock	Provide greater perimeter security for K-12 schools Enable remote undogging and door status monitoring Modular kit retrofits existing 98/99 and 33A/35A series devices

LEARN MORE

Not all wireless locks products are available in all regions, please contact your local sales representative to confirm availability.

WIRELESS LOCK INTEGRATIONS

The Unity Access system seamlessly integrates with third-party wireless locks for you to combine all of the components of an access controlled door into a simplified all-in-one system that saves time and costs.

ASSA ABLOY

DETAILS

MODEL NAME	SALTO VIRTUAL NETWORK (SVN) DATA-ON-CARD SYSTEM	ASSA ABLOY APERIO LOCKS	ASSA ABLOY WI-FI LOCKS	ASSA ABLOY POWER OVER ETHERNET (POE) LOCKS
PART NUMBER	Contact your local sales representative			
	MSRP from $1,749	**MSRP from $1,790**	**CALL FOR PRICE**	**MSRP from $4,036**
Features	Streamline access management for high door density facilities with access data on the card Update cards quickly with RFID technology Locks can securely read, receive and write information to ensure access rights are updated Issue SALTO JustIn Mobile credentials from Unity Access to manage access rights over-the-air	Deploy in a wide range of applications including offices, server cabinets, storage lockers, drawers, glass doors and more Flawless integration with Mercury controllers to provide real-time access and audit Support the use of HID Mobile credentials to access doors using a mobile device	Suited for hard-to-wire locations Reduce installation time and costs by utilizing existing Wi-Fi Easy transition to higher security credentials such as HID Mobile and government-issued PIV with HID Global multiCLASS SE technology	Enable easy and cost-effective installations into existing infrastructure Set up real-time communication by utilizing IEEE 802.3af PoE-enabled network infrastructure Support multiple credential types such as HID Mobile, for a secure solution with multiCLASS SE technology Privacy button allow shelter in place/local lockdown

LEARN MORE

Available in the United States and Canada only.

FEDERAL GOVERNMENT SOLUTIONS

The Unity Access system is FIPS 201-2 compliant and is a certified solution on the GSA Approved Product List (APL), meeting the Personal Identity Verification (PIV) requirements mandated for U.S. federal employees and contractors. Customers can conveniently and reliably purchase all components of this fully compliant, GSA-approved FICAM solution directly from Avigilon.

DETAILS

MODEL NAME	UNITY ACCESS SOFTWARE	HID PIVCLASS SOFTWARE	CONTROLLERS & SUB-PANELS	HID PIVCLASS AUTHENTICATION MODULE (PAM)	HID PIVCLASS READERS
APL Approved Products	**APL #10122** Avigilon PACS software Unity Access 6.4.2	**Validation System APL# 10123** pivCLASS Registration Engine for Unity Access pivCLASS Certificate Manager, Release 5.12.0 pivCLASS Reader Services, Release 5.12.0 pivCLASS IDPublisher, Release 5.12.0	**APL #10122** HID LP4502 Intelligent Two Door System Controller with pivCLASS Embedded Authentication (Software 1.29.1, Firmware 5.11.38) HID LP2500 Intelligent Controller (Firmware1.29.1) HID LP1502 Intelligent Controller (Firmware 1.29.1) HID MR52-S3 Two Reader Interface Module (Firmware 3.21.0) HID MR62e Reader Interface Module (Firmware 3.21.x)	**Validation System APL# 10123** pivCLASS Authentication Module	**Embedded Configuration** pivCLASS RP40 Contactless Reader VAS0300 Rev. B.1 (APL# 10003) pivCLASS RK40 Contactless Reader VAS0300 Rev. B.1 (APL# 10004) pivCLASS RPK40 Contact/Contactless Reader VAS0300 Rev. B.1 (APL# 10005) pivCLASS R40 Contactless Reader VAS0300 Rev. B.1 (APL# 10006) pivCLASS RKCL40 Contact/Contactless Reader VAS0300 Rev. B.1 (APL# 10007) pivCLASS RPKCL40 Contact/ Contactless Reader with PIN VAS0300 Rev. B.1 (APL# 10008) **Authentication Module Configuration** pivCLASS RP40 Contactless Reader (APL#10003) pivCLASS RK40 Contactless Reader + PIN (APL# 10004) pivCLASS RPK40 Contactless Reader + PIN (APL# 10005) pivCLASS R40 Contactless Reader (APL# 10006) pivCLASS RKCL40 Contact/Contactless Reader with PIN (APL# 10007) pivCLASS RPKCL40 Contact/ Contactless Reader with PIN (APL# 10008) pivCLASS RPKCLB40 Contact/ Contactless Reader with PIN & BIO (APL# 10026) pivCLASS RKCLB40 Contact/ Contactless Reader with PIN & BIO (APL# 10052) pivCLASS R10 Contactless Reader (APL# 10085)

LEARN MORE

BIOMETRIC SOLUTIONS

The integration of Unity Access with ViRDI's biometric fingerprint reader technology provides further safeguards to high security environments with an extra form of identification.

DETAILS

MODEL NAME	VIRDI ENROLLMENT USB FINGERPRINT READER	VIRDI IP65 FINGERPRINT SMARTCARD READER WITH KEYPAD	VIRDI IP65 FINGERPRINT SMARTCARD READER
PART NUMBER	AC-VT-READ-BIO-USB-FOH02-SC	AC-VT-READ-BIO-RFID-AC5000SC-BLK-NA	AC-VT-READ-BIO-RFID-AC2000SC-NA
	MSRP from $235	**MSRP from $1,338**	**MSRP from $892**
Features	Seamless integration between VIRDI's Biometrics Enrollment Manager interface and Unity Access to add and remove biometric identities Easily set up and manage biometric identities directly from Unity Access Authenticate individual using one-to-one biometric verification	Seamless integration between VIRDI's Biometrics Enrollment Manager interface and Unity Access to add and remove biometric identities IP65 rating for dust and water resistance OSDP compatible with Unity Access controllers integration Simplify operation with graphic UI and customizable 2.8" Color TFT LCD background	Seamless integration between VIRDI's Biometrics Enrollment Manager interface and Unity Access to add and remove biometric identities Secure and convenient access with Bluetooth and VIRDI's UNIS B plus mobile application IP65 rating for dust and water resistance OSSP compatible with Unity Access controllers integration

LEARN MORE

VISITOR MANAGEMENT

Unity Access integrates with HID Global's EasyLobby Secure Visitor Management software, which allows organizations to automate the entire process of registering a visitor, printing a badge and capturing detailed information in seconds by simply scanning an ID.

DETAILS

MODEL NAME	UNITY ACCESS INTEGRATION WITH HID GLOBAL EASYLOBBY SOFTWARE	HID GLOBAL SNAPSHELL LICENSE CARD SCANNER	ASSURETEC ID-150 CARD SCANNER	DYMO 450 TURBO THERMAL PRINTER
PART NUMBER	AC-HID-EL-96000-SVM10	AC-HID-EL-SS-R2	AC-HID-EL-AST-ID150	AC-HID-EL-DYMO-450T
	MSRP from $4,936	**MSRP from $2,773**	**MSRP from $4,396**	**MSRP from $625**
Features	EasyLobby visitor records are automatically updated to Unity Access with identity information Streamlines enrollment with pre-registration or self-registration options Improves security by identifying who is in a facility quickly and accurately, especially in emergency situations Conduct analysis and reporting on visitor data, quickly and easily	Leverages Optical Character Recognition (OCR) to read driver's licenses and ID cards quickly and accurately Easy-to-use with no moving parts and compact design takes up minimal counter space	Reads and verifies identity documents such as driver's licenses and IDs quickly and accurately, including the photo	Prints temporary badges for increased security and visibility of visitors Eliminates the cost of ink or toner with direct thermal printing technology

LEARN MORE

INTRUSION PANELS INTEGRATION

MSRP FROM $443

Centrally monitor and control intrusion objects and access events from the Unity Access system for visual verification of alerts and faster responses. Operators can manually arm or disarm areas and leverage Unity Access capabilities to automate the intrusion system with access control events.

DETAILS

MODEL NAME	BOSCH INTRUSION INTEGRATION	DMP INTRUSION INTEGRATION
PART NUMBER	AC-SW-LIC-BOSCHINTR-1PANEL-6-P AC-SW-LIC-BOSCHINTR-10PANEL-6-P	AC-SW-LIC-DMPINTR-1PANEL-6-P AC-SW-LIC-DMPINTR-10PANEL-6-P
Supported Panels	Mid-range: B3512, B4512, B5512, B6512 Commercial: B8512G, B9512G, D9412GV4 V2, D7412GV4	XR150, XR550
Features	Workflow automation Increased situational awareness and faster response Quicker verification of intrusion events via live video triggers Increased security and convenience with intrusion area control Available from anywhere and at any time from mobile devices No additional access hardware or wiring required – connects to IP networks	

LEARN MORE

UNITY ACCESS VERIFY VIRTUAL STATIONS

MSRP FROM $409

Unity Access Verify allows any browser-enabled smart device to act as a virtual station. It works by recording and confirming an individual's identity using a PIN code, enabling you to extend the capability of your access system to locations where physical access doors are not feasible.

DETAILS

MODEL NAME	UNITY ACCESS VERIFY
PART NUMBER	AC-SW-LIC-AVO-VER-5VS-6-P AC-SW-LIC-AVO-VER-16VS-6-P
Features	Device pairing allows you to easily link a device to a virtual station for greater security Verify profiles by comparing a person's appearance with a saved database image Send verification events to Unity Access and view a list of recorded personnel at each virtual station Activate global actions from events generated by virtual stations Enable or disable virtual stations from Unity Access Suited for sites that do not have access controlled doors or locks such as outdoor mustering stations for fire drills, a bus for school trips or a work area in an open-plan office

LEARN MORE

ALTA ACCESS CONTROL

The Motorola Solutions Avigilon Alta cloud-native access control system is fast, flexible and future-proof. Enhance security and improve awareness seamlessly with intuitive software, modern readers, and user-friendly mobile credentials. Choose from a range of options designed to secure anything from a single door up to a global enterprise.

AVIGILON ALTA CONTROL CENTER

MSRP FROM $329

The cloud-native Avigilon Alta Control Center from Motorola Solutions is an intuitive access control system, designed to make managing security for any number of users, sites and devices easier. Available in Basic, Premium, and Enterprise levels, and equipped with robust security features on a fully remote, cloud-based management platform.

SPECIFICATIONS

EDITION	BASIC	PREMIUM	ENTERPRISE
PART NUMBER	SW-BSC-P1 SW-BSC-P5 SW-BSC-P10 SW-BSC-P25 SW-BSC-P100 SW-BSC-P1000	SW-PRM-P1 SW-PRM-P5 SW-PRM-P10 SW-PRM-P25 SW-PRM-P100 SW-PRM-P1000	SW-ETP-P1 SW-ETP-P5 SW-ETP-P10 SW-ETP-P25 SW-ETP-P100 SW-ETP-P1000
API, Webhooks, Mobile SDK	✓	✓	✓
Lifetime warranty	✓	✓	✓
Alerts	✓	✓	✓
Reports	✓	✓	✓
Lockdown[1]	Standard	Flexible	Flexible
Occupancy tracking		✓	✓
Enhanced role management		✓	✓
Rules Engine	Basic	Advanced	Advanced
Custom user fields		✓	✓
VMS Integrations with Milestone and Cisco meraki	A la carte	✓	✓
Custom badge printing	A la carte	✓	✓
Muster Reports		✓	✓
Alarm Management		✓	✓
Custom dashboards		✓	✓
Static Cloud IP			✓
Support SLA			✓
Live Support	Mon - Fri	7 days/week	24/7 priority
API/Webhook consultation	Integration only	1 hour/month	Unlimited

[1] Flexible Lockdown is included at no additional charge for all 501(c)3 organizations.

KEY FEATURES

- Simplified access with touchless mobile credentials
- Secure-by-default with end-to-end encryption and automatic updates
- Advanced reports and custom dashboards
- Occupancy management to automate and enforce capacity limits in real time
- Scalable support for unlimited users, sites, roles and groups
- Custom alerts and triggers to stay on top of critical access events
- Integrations and App Marketplace

LEARN MORE

AVIGILON SMART READER

MSRP FROM $377

Sleek proximity reader that features best-in-class door access. Compatible with mobile devices, cards, fobs, NFC, WiFi and Bluetooth®.

SPECIFICATIONS

MODEL NAME	AVIGILON STANDARD SMART READER V2	AVIGILON MULLION SMART READER V2
PART NUMBER	OP-R2X-STND	OP-R2X-MULL
Card compatibility	Openpath DESFire EV3	
	MIFARE Classic/DESFire/Ultralight (ISO14443A) CSN	
	Openpath Proximity	
	HID proximity	
	LenelProx	
Security	Encrypted communications between mobile app and controller	
	Fully encrypted communication between Openpath key cards and reader	
	Eliminate thread of copying or cloning Openpath key cards	
	Includes tamper resistant secure storage	
System Compatibility	Reader works with Alta Access Control, including Avigilon controllers, Control Center software, and mobile app	
	Reader works with legacy access control systems via Mobile Gateway option	
	Support for Apple Enhanced Contactless Protocol (ECP)	
Cloud Management	Yes	
Form	Standard	Mullion
Frequency	125 kHz, 13.56 MHz	
Openpath Bluetooth	Yes	
Auto proximity unlock	Yes	
Standards	ISO 14443A, Prox	
Certification	CE, FCC, UL 294, UKCA	
Environmental	IP65	
Dimensions	With back cover, no gang box: 7.4 x 12.0 x 2.3 cm With back cover, on gang box: 7.4 x 12.0 x 1.1 cm	4.3 x 11.9 x 2.2 cm

KEY FEATURES

- Touchless access, with Triple Unlock technology
- Modern design seamlessly blends into or upgrades the aesthetics of any entry
- Indoor/outdoor design
- Supports auxiliary Wiegand readers connected through the Avigilon reader
- Functions seamlessly with the mobile app, available on iOS and Android
- Works with Smart Watches in addition to mobile app
- Supports remote unlocking with user-level privileges
- Lifetime warranty

LEARN MORE

STANDARD MULLION STANDARD MULLION

AVIGILON STANDARD SMART READER ACCESSORIES

PRODUCT NAME	PART NUMBER
Standard Smart Reader Cover in white	OP-CVR-W

AVIGILON SMART KEYPAD READER

MSRP FROM $630

Avigilon Smart Keypad Readers combine all the capabilities of the Avigilon Smart Readers while revolutionizing PIN code access and supporting multi-factor authentication. Designed for ease of use for both credentialed users and visitors, readers have a durable, capacitive touch keypad that prevents wear-and-tear and spoofing.

SPECIFICATIONS

MODEL NAME	AVIGILON STANDARD SMART KEYPAD READER	AVIGILON MULLION SMART KEYPAD READER
PART NUMBER	OP-RKP-STND	OP-RKP-MULL
Card compatibility	Openpath DESFire EV3	
	MIFARE Classic/DESFire/Ultralight (ISO14443A) CSN	
	Openpath Proximity	
	HID proximity	
	LenelProx	
Security	Encrypted communications between mobile app and controller	
	Fully encrypted communication between Openpath key cards and reader	
	Eliminate thread of copying or cloning Openpath key cards	
	Includes tamper resistant secure storage	
	Fully encrypted PIN transmission between reader and controller	
System Compatibility	Reader works with Alta Access Control, including Avigilon controllers, Control Center software, and mobile app	
	Reader works with legacy access control systems via Mobile Gateway option	
	Support for Apple Enhanced Contactless Protocol (ECP)	
Cloud Management	Yes	
Form	Standard	Mullion
Frequency	Bluetooth LE (2402 - 2480MHZ): 2 dBm	
Openpath Bluetooth	Yes	
NFC	Yes	
Wave to Unlock/Touch	Yes	
Auto proximity unlock	Yes	
Standards	ISO 14443A, Prox	
Certification	FCC, CE, ISED/IC, UL294, IP65	
Environmental	IP65	
Dimensions	With standard brack, no back plate, on gang box: 11 x 12 x 1.2 cm	4.4 x 18.4 x 2.4 cm
Installation Options	Flush mounted with US gang box, surface mounted on wall, surface mounted with EU gang box	Surface mounted on wall or door frame

KEY FEATURES

- Modern design seamlessly blends into or upgrades the aesthetics of any entry
- Indoor/outdoor design
- Supports auxiliary Wiegand readers connected through the Avigilon reader
- Functions seamlessly with the mobile app, available on iOS and Android
- Works with Smart Watches
- Supports remote unlocking with user-level privileges
- Supports PIN functionality
- Supports two-factor authentication (2FA) & multi-factor authentication (MFA)

LEARN MORE

STANDARD MULLION

AVIGILON EMBEDDED USB SMART READER

MSRP FROM $377

The Avigilon Embedded USB Smart Reader combines the functionality of a USB printer reader, desktop enrollment reader and embedded module into one device. The reader supports multiple touchless access methods, including Wave to Unlock, in-app and remote unlocks, and unlocking via a smart watch.

SPECIFICATIONS

MODEL NAME	AVIGILON EMBEDDED USB SMART READER
PART NUMBER	OP-R2X-EMBD
Card compatibility	Openpath DESFire EV3
	MIFARE Classic/DESFire/Ultralight (ISO14443A) CSN
	Openpath Proximity
	HID proximity
	LenelProx
Security	Encrypted communications between mobile app and controller
	Fully encrypted communication between Openpath key cards and reader
	Eliminate thread of copying or cloning Openpath key cards
	Includes tamper resistant secure storage
System Compatibility	Reader works with Alta Access Control, including Avigilon controllers, Control Center software, and mobile app
	Reader works with legacy access control systems via Mobile Gateway option
Cloud Management	Yes
Form	Mini
Frequency	125 kHz, 13.56 MHz
Openpath Bluetooth	Yes
NFC	Yes
Wave to Unlock/Touch	Yes
Auto proximity unlock	Yes
Standards	ISO 14443A, Prox
Certification	CE, FCC, IC, IEC, IMDA, IP65, MOC, OFCA, SDPPI, SRRC, TDRA, UKCA, UL, ULC, RCM, WPC
Environmental	Indoor use only
Dimensions	With all tabs intact: 4.6 x 10.2 x 1.8 cm With outer tabs removed: 4.6 x 8.9 x 1.8 cm With all tabs removed: 4.6 x 7 x 1.8 cm Outer mounting hole pitch: 9.7 cm
Installation Options	Single gang box, embedded into a wall, inside turnstiles and elevators, or used at a desk or printer

KEY FEATURES

- Snap-off brackets support multiple mounting applications
- Small size fits in turnstiles, elevators, kiosks and other embedded applications
- Functions seamlessly with the mobile app on Android and iOS
- Supports remote unlocking with user-level privileges
- USB port supports enrollment reader and secured printing functionality
- Supports auxiliary Wiegant readers connected through the Avigilon reader
- Works with Smart Watches
- Lifetime warranty

LEARN MORE

AVIGILON EMBEDDED USB SMART READER ACCESSORIES

PRODUCT NAME	PART NUMBER
Desktop Bracket for Embedded USB Smart Reader	OP-RSC-DESK

AVIGILON VIDEO READER PRO

MSRP FROM $548

The Avigilon Video Reader Pro combines the heightened security of a built-in high-resolution camera with the form factor of a mullion door reader. Automatically associate video footage with access events, alerts and motion, and visually monitor entries in the mobile app and the Control Center.

SPECIFICATIONS

MODEL NAME	AVIGILON VIDEO READER PRO
PART NUMBER	OP-VID-PRO-RDR
Card compatibility	Openpath DESFire EV3
	MIFARE Classic/DESFire/Ultralight (ISO14443A) CSN
	Openpath Proximity
	HID proximity
	LenelProx
Security	Encrypted communications between mobile app and controller
	Fully encrypted communication between Openpath key cards and reader
	Eliminate thread of copying or cloning Openpath key cards
	Includes tamper resistant secure storage
System Compatibility	Video Reader Pro works with Alta Access Control, including Avigilon controllers, Control Center software, and mobile app
	Video Reader Pro works with legacy access control systems via Mobile Gateway option and Standalone Mode
	Video Reader Pro works with third-party VMS software via open video standards
Cloud Management	Yes
Form	Mullion
Frequency	125 kHz, 13.56 MHz
Openpath Bluetooth	Yes
NFC	Yes
Wave to Unlock/Touch	Yes
Auto proximity unlock	Yes
Standards	ISO 14443A, Prox
Certification	FCC, UL 294, CE
Environmental	IP65
Dimensions	With Mullion bracket: 155 x 47 x 37 mm (6.1 x 1.85 x 1.45 in) With Standard bracket: 187 x 78 x 37 mm (7.36 x 3.07 x 1.45 in) Weight: 287 g (0.63 lbs)
Installation Options	Surface mounted on wall, mounted on gang box, or installed inside metal enclosure

KEY FEATURES

- High resolution built-in camera records entry activity
- Adjustable camera angle for optimal footage
- Supports Triple Unlock technology
- Can connect to third-party legacy access control panel
- Indoor/outdoor design
- NDAA compliant
- 5 year warranty

LEARN MORE

VIDEO

Image sensor	1 / 2.5" 5MP CMOS
Resolution	5MP (2592 x 1944) recording at 25 fps
Compression	H.264, MJPEG
Bitrate	CBR, VBR, MBR
Focal Length	2.8mm (F1.6)
Field of View	Horizontal: 109°, Vertical: 81°, Diagonal: 136°
Min. Illumination	Color: 2.5 lux, B/W: 0.0 lux (IR LED on)
IR Range	9m (29.53ft)
Wide Dynamic Range	HDR (87dB)

AVIGILON VIDEO INTERCOM READER PRO

MSRP FROM $1,370

The Video Intercom Reader Pro combines all your front door security devices to provide live video, two-way audio, smart call routing and reliable touchless access.

SPECIFICATIONS

MODEL NAME	AVIGILON VIDEO INTERCOM READER PRO
PART NUMBER	OP-VID-PRO-INT
Card compatibility	Openpath DESFire EV3
	MIFARE Classic/DESFire/Ultralight (ISO14443A) CSN
	Openpath Proximity
	HID proximity
	LenelProx
Security	Encrypted communications between mobile app and controller
	Fully encrypted communication between Openpath key cards and reader
	Eliminate thread of copying or cloning Openpath key cards
	Includes tamper resistant secure storage
System Compatibility	Video Intercom Reader Pro works with Alta Access Control, including Avigilon controllers, Control Center software, and mobile app
	Video Intercom Reader Pro works with legacy access control systems via Mobile Gateway option and Standalone Mode
	Video Intercom Reader Pro works with third-party VMS software via open video standards, including ONVIF and RTSP
Cloud Management	Yes
Form	Mullion
Frequency	125 kHz, 13.56 MHz
Openpath Bluetooth	Yes
NFC	Yes
Wave to Unlock/Touch	Yes
Auto proximity unlock	Yes
Standards	ISO 14443A, Prox
Certification	FCC, UL 294, CE
Environmental	IP65
Dimensions	With Mullion bracket: 204 x 47 x 37 mm (8.02 x 1.85 x 1.45 in) With Standard bracket: 235 x 78 x 37 mm (9.25 x 3.07 x 1.45 in) Weight: 384 g (0.85 lbs)
Installation Options	Surface mounted on wall, mounted on gang box, or installed inside metal enclosure

KEY FEATURES

- High resolution built-in camera records entry activity
- Smart intercom interface supports multiple configurations
- Initiate and accept calls from the Control Center or Openpath app
- Supports Triple Unlock technology
- Can connect to third-party legacy access control panel
- Indoor/outdoor design
- NDAA/TAA compliant
- Five year warranty

LEARN MORE

VIDEO AND AUDIO

Image sensor	1 / 2.5" 5MP CMOS
Resolution	5MP (2592 x 1944) recording at 25 fps
Compression	H.264, MJPEG
Bitrate	CBR, VBR, MBR
Focal Length	2.8mm (F1.6)
Field of View	Horizontal: 109°, Vertical: 81°, Diagonal: 136°
Min. Illumination	Color: 2.5 lux, B/W: 0.0 lux (IR LED on)
IR Range	9m (29.53ft)
Wide Dynamic Range	HDR (87dB)
Audio Streaming	Two-way, full duplex with echo and noise cancellation
Audio Input/Output	Built-in microphone array, omni-directional; Built-in speaker
Audio Encoding	G.711u, G,711a, G.726

AVIGILON CORE SERIES SMART HUBS

MSRP FROM $2,336

The Avigilon Core Series Smart Hub is a modular access control unit that supports Avigilon Smart Readers. The Core Series Smart Hub features the Access Control Core (OP-ACC), expansion boards, and uses RS-485 wiring to connect to the Smart Readers and is powered by a built-in power supply.

SPECIFICATIONS

MODEL NAME	12/24V 4-DOOR CORE SERIES SMART HUB	12/24V 8-DOOR CORE SERIES SMART HUB	24V ELEVATOR CORE SERIES SMART HUB
PART NUMBER	SYS-4ENT-DVE1	SYS-8ENT-DVE2	20ENT-SYS-24V
Operate Voltage/Power	12-24VDC 1.25A @ 24VDC (with 4 Avigilon Readers) 0.7A @ 24VDC (with no readers)	12-24VDC 3.3A @ 12VDC (with 8 Avigilon Readers) 1.3A @ 12VDC (with no readers) 1.8A @ 24VDC (with 8 Avigilon Readers) 0.7 @ 24VDC (with no readers)	12-24VDC 12V: 825mA Max (with 2 Avigilon Readers) 12V: 325mA Max (with no readers) 24V: 470mA Max (with 2 Avigilon Readers) 24V: 190mA Max (with no reader
Door Relays	4 relays, 5A @ 24VDC (resistive)	8 relays, 5A @ 24VDC (resistive)	16 elevator relays, 1A @ 24VDC, 0.3A @ 110VAC
Auxiliary Relays	2 relays, 1A @ 24VDC	4 relays, 1A @ 24VDC	N/A
Avigilon Readers	Up to 4 Avigilon Readers	Up to 8 Avigilon Readers	Up to 2 Avigilon Readers
REX and Contact Sensors	4 REX and 4 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input	8 REX and 8 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input	4 REX and 4 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input
Auxiliary Inputs	4 input lines with EOL monitoring		N/A
Enclosure Size	14" H, 12" W, 4.5" D (356 x 305 x 114 mm)	20 x 16 x 4.5" (508 x 406 x 114 mm)	14" H, 12" W, 4.7" D (356 x 305 x 114 mm)
Weight	Approx 10 lbs (4.5 kg)	Approx 20 lbs (9 kg)	Approx 45 lbs (20.41 kg)
Operating Temperature	32° to 122°F (0° to 50°C)		
Operating Humidity	5% to 85% relative, non-condensing		
Communication Ports	10/100 baseT Ethernet, USB port		
Backup Battery	Use two 12VDC sealed lead acid (SLA) or gel cell batteries in series		
Compliance	FCC, IC, CE, RCM, UL 294		

KEY FEATURES

- Internet connectivity to the Avigilon Alta access control cloud for system management and communication
- Stores all cloud configurations locally in order to remain fully functional in the event of an Internet outage
- Uses industry standard RS-485 signaling to communicate with Avigilon readers over CAT 5/6 wiring
- Plug and play design allows for easy expansion and customization
- Includes port interfaces for Relays, Avigilon Readers, REX Sensors, and Contact Sensors
- Auxiliary relays and configurable auxiliary input pins provide extra outputs and allow additional sensors or Wiegand devices
- EOL monitoring with single or double termination on all REX, Contact, and Auxiliary inputs supported with user-installed 1k resistors
- Ships with LifeSafety Power enclosure for security and easy wall mounting

LEARN MORE

4-DOOR 8-DOOR ELEVATOR

AVIGILON CORE SERIES LARGE CAPACITY SMART HUBS

MSRP FROM $4,144

The Avigilon Core Series Smart Hub is a modular access control unit that supports Avigilon Smart Readers. The Core Series Smart Hub features the Access Control Core (OP-ACC), expansion boards, and uses RS-485 wiring to connect to the Smart Readers and is powered by a built-in power supply. The Large Capacity Smart Hubs feature more room for wiring, and an aluminum backplate for easier installation.

SPECIFICATIONS

MODEL NAME	12/24V 8-DOOR CORE SERIES LARGE CAPACITY SMART HUB	12/24V 16-DOOR CORE SERIES LARGE CAPACITY SMART HUB
PART NUMBER	SYS-8ENT-DVE4	SYS-8ENT-DVE6
Operate Voltage/Power	12-24VDC 1.8A @ 24VDC (with 8 Avigilon Readers) .07 @ 24VDC (with no readers)	12-24VDC 3.6A @ 24VDC (with 16 Avigilon Readers) 1.4A @ 24VDC (with no readers)
Door Relays	8 door relays, 5A @ 24VDC (resistive)	16 relays, 5A @ 24VDC (resistive)
Auxiliary Relays	4 auxiliary relays, 1A @ 24VDC	8 relays, 1A @ 24VDC
Avigilon Readers	Up to 8 Avigilon Readers	Up to 16 Avigilon Readers
REX and Contact Sensors	8 REX and 8 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input	16 REX and 16 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input
Auxiliary Inputs	4 input/output lines with EOL monitoring	8 input/output lines with EOL monitoring
Enclosure Size	24" H x 20" W x 6.72" D (610 x 508 x 171 mm)	30" H x 23" W x 6.72" D (762mm x 584mm x 171 mm)
Weight	Approx 25 lbs (11.33 kg)	Approx 45lbs (20.41 kg)
Operating Temperature	32° to 122°F (0° to 50°C)	
Operating Humidity	5% to 85% relative, non-condensing	
Communication Ports	10/100 baseT Ethernet, USB port	
Backup Battery	Use two 12VDC sealed lead acid (SLA) or gel cell batteries in series	
Compliance	CE, IC, FCC, UL294	

KEY FEATURES

- Internet connectivity to the Avigilon Alta access control cloud for system management and communication
- Stores all cloud configurations locally in order to remain fully functional in the event of an Internet outage
- Uses industry standard RS-485 signaling to communicate with Avigilon readers over CAT 5/6 wiring
- Large capacity and plug and play design allows for easy expansion and customization
- Includes port interfaces for Relays, Avigilon Readers, REX Sensors, and Contact Sensors
- Auxiliary relays and configurable auxiliary input pins provide extra outputs and allow additional sensors or Wiegand devices
- EOL monitoring with single or double termination on all REX, Contact, and Auxiliary inputs supported with user-installed 1k resistors
- Ships with LifeSafety Power enclosure for security and easy wall mounting

LEARN MORE

8-DOOR 16-DOOR

AVIGILON SINGLE DOOR CONTROLLER

MSRP FROM $1,267

The Avigilon Single Door Controller is an access control unit that supports up to two entries and two Avigilon Smart Readers. The Controller securely makes all entry decisions and can be configured via Bluetooth using the Alta Admin App.

SPECIFICATIONS

MODEL NAME		AVIGILON SINGLE DOOR CONTROLLER
PART NUMBER		OP-CR-SDC
Operate Voltage/Power	Operating Voltage	12-24VDC
	Output Ratings	Power Out can supply up to 100mA @ 12V or 50mA @ 24V
	2 reader ports, max power output	250mA @ 12V each
	2 relays, max power output	PoE: Max 3W combined output (250mA @ 12V, 125mA @ 24V) PoE+: Max 9W combined output (750mA @ 12V, 375mA @ 24V)
Door Relays		2 relays, 2A @ 24VDC (resistive)
Avigilon Readers		Up to 2 Avigilon Readers
Wiegand Readers		Up to 2 Wiegand Readers (if no Avigilon Readers)
REX and Contact Sensors		2 REX Sensors, nominal 5VDC, 1kohm to each input (resistors built into Controller) 2 Contact Sensors, nominal 5VDC, 1kohm to each input (resistors built into Controller)
Tamper Sensor		Detects tamper events when front cover is removed
Enclosure Size		5.6 x 5.6 x 1.65 in (14.2 x 14.2 x 4.2 cm)
Weight		12.7 oz (360 g)
Operating Temperature		32° to 122°F (0° to 50°C)
Operating Humidity		5% to 85% relative, non-condensing
Communication Ports		10/100 baseT Ethernet, USB port
Backup Battery		On external supply or PoE injector, use two 12VDC sealed lead acid (SLA) or gel cell batteries in series
Certifications		CE, IC, FCC, RCM, UKCA, UL294, UL2043, WEEE

KEY FEATURES

- Internet connectivity to the Avigilon Alta access control cloud for system management and communication
- Stores all cloud configurations locally in order to remain fully functional in the event of an Internet outage
- Uses industry standard RS-485 signaling to communicate with Avigilon readers over CAT 5/6 wiring
- Includes port interfaces for 2 Relays, 2 Avigilon Readers, 2 Wiegand Readers, 2 REX Sensors, and 2 Contact Sensors
- Includes removable contact terminal blocks for convenient wiring
- Physical switches to select relays to be dry or wet (12V or 24V)
- EOL monitoring with single or double termination on all REX, contact, and configurable inputs
- WiFi-enabled: Supports 2.4 GHz and 5 GHz connections

LEARN MORE

AVIGILON SINGLE DOOR CONTROLLER ACCESSORIES

PRODUCT NAME	PART NUMBER
PoE/PoE+ Injector	OP-PI-30W

AVIGILON ACCESS CONTROL CORE

MSRP FROM $617

The Avigilon Access Control Core works with Avigilon expansion boards to securely make all entry decisions. It can support up to 2 expansion boards via USB and supports wireless configuration through the Alta Admin App.

SPECIFICATIONS

MODEL NAME	AVIGILON ACCESS CONTROL CORE
PART NUMBER	OP-CR-ACC
Operate Voltage/Power	12-24VDC 0.7A @ 12VDC 0.4A @ 24VDC
Dimensions	2.3 x 3.5 in (5.84 x 8.89 cm)
Weight	2 oz (57 g)
Operating Temperature	32° to 122°F (0° to 50°C)
Operating Humidity	5% to 85% relative, non-condensing
Interface Ports	0/100 baseT Ethernet, 4 USB ports
Backup Battery	CR2032 3V, replace every two years
Compliance	CE, IC, FCC, ROHS, UKCA, UL, WEEE

KEY FEATURES

- Internet connectivity to the Avigilon Alta access control cloud for system management and communication
- Stores all cloud configurations locally in order to remain fully functional in the event of an Internet outage
- Plug and play design allows for easy expansion and customization
- Supports up to 16 entries via 2 Openpath expansion boards
- Supports 4-Port, 8-Port expansion boards and 16-Port I/O board
- Supports wireless configuration via the Alta Admin App using Bluetooth
- Lifetime warranty

LEARN MORE

AVIGILON EXPANSION BOARDS

MSRP FROM $945

The Avigilon Expansion Boards are an access control board (no enclosure, no power supply) that connects to the Avigilon Access Control Core (OP-ACC) and supports entries and Avigilon Smart Readers. The Expansion Boards works with the Access Control Core to securely make all entry decisions.

SPECIFICATIONS

MODEL NAME	AVIGILON 4-PORT BOARD	AVIGILON 8-PORT BOARD	AVIGILON 16 I/O ELEVATOR BOARD
PART NUMBER	OP-EX-4E	OP-EX-8E	OP-16EM
Operate Voltage/Power	Must be used with Avigilon Access Control Core 12-24VDC 5A @ 12VDC, 0.3A @ 24VDC	Must be used with Avigilon Access Control Core 12-24VDC .6A @ 12VDC 0.3A @ 24VDC	12-24VDC 12V: 825mA Max (with 2 Avigilon Readers) 12V: 325mA Max (with no readers) 24V: 470mA Max (with 2 Avigilon Readers) 24V: 190mA Max (with no readers)
Relays	4 door relays, 5A @ 24VDC (resistive) 2 auxiliary relays, 1A @ 24VDC	8 door relays, 5A @ 24VDC (resistive) 4 auxiliary relays, 1A @ 24VDC	16 relays, 60VDC Max 24VDC, 1A (resistive) 125VAC, 0.5A (resistive)
Avigilon Readers	Up to 4 Avigilon Readers	Up to 8 Avigilon Readers	Up to 2 Avigilon Readers
REX and Contact Sensors	4 REX and 4 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input	8 REX and 8 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input	4 REX and 4 contact sensor inputs with EOL monitoring, nominal 5VDC, 1kohm to each input
Auxiliary Inputs	4 input lines with EOL monitoring		N/A
Enclosure Size	4.5 x 4.9 in (11.5 x 12.5 cm)	4.5 x 8.75 in (11.5 x 22.5 cm)	Approx 5.25 x 3.5 in (13.34 x 9.04 cm)
Weight	4.3 oz (122 g)	4.3 oz (122 g)	N/A
Operating Temperature	32° to 122°F (0° to 50°C)		
Operating Humidity	5% to 85% relative, non-condensing		
Interface Ports	USB port, Expansion port		USB Port
Backup Battery	Use one or two 12VDC sealed lead acid (SLA) or gel cell batteries based on power supply and system requirements		N/A
Compliance	E, FCC, IC, UL 294, RCM, UKCA		FCC, UL 294, CE

KEY FEATURES

- Uses industry standard RS-485 signaling to communicate with Avigilon readers over CAT 5/6 wiring
- Plug and play design allows for easy expansion and customization
- Includes port interfaces for Relays, Avigilon Readers, REX Sensors, and Contact Sensors
- Signal relays and configurable auxiliary input pins provide extra outputs and allow additional sensors or Wiegand devices
- EOL monitoring with single or double termination on all REX, Contact, and Auxiliary inputs supported with user-installed 1k resistors
- Includes removable contact terminal blocks for convenient wiring
- Supports wireless configuration via the Alta Admin App using Bluetooth
- Lifetime warranty

LEARN MORE

4-PORT 8-PORT ELEVATOR

AVIGILON ALTA WIRELESS LOCK INTEGRATIONS

MSRP FROM $854

Schlage wireless locks are ideal for interior and low-traffic spaces where installing and maintaining a full door entry system would be cost-prohibitive. The Avigilon Alta integration is easy to set up with a mobile device and no wiring or Avigilon hardware is required, and provides a complete, secure access control experience across any size deployment.

SPECIFICATIONS

MODEL NAME	SCHLAGE LEB WIRELESS LOCK	SCHLAGE NDEB WIRELESS LOCK	SCHLAGE CONTROL SMART LOCK	ENGAGE GATEWAY
PART NUMBER	ALLEGION LEB	ALLEGION NDEB	ALLEGION CONTROL	OP-LOCK-GW

KEY FEATURES

- Cost effective and scalable
- One contactless credential for all your doors
- Combined security monitoring
- Native support for bluetooth credentials
- Support for No-Tour Mode

LEARN MORE

AVIGILON ALTA LOW FREQUENCY (125 KHZ) CREDENTIALS

MSRP FROM $69

The Avigilon Access Low Frequency Credentials are ideal for supporting legacy Wiegand-based access control systems.

SPECIFICATIONS

MODEL NAME	AVIGILON ALTA PROXIMITY CARDS	AVIGILON ALTA PROXIMITY FOBS
PART NUMBER	OP-ACL-10	OP-KFL-10
Form Factor	Solid/prepunched	Key ring
Format	26-bit (H10301)	
Compatibility	Avigilon Low Frequency Readers Avigilon Smart Reader v2 Avigilon Pro Series Readers Allegion Schlage NDEB and LEB Wireless Locks	

AVIGILON ALTA HIGH FREQUENCY (13.56 MHZ) CREDENTIALS

MSRP FROM $69

The Avigilon Access Low Frequence Credentials are ideal for high security applications. These high frequency cards and fobs offer additional security against cloning and protects card data confidentiality.

SPECIFICATIONS

MODEL NAME	AVIGILON ALTA DESFIRE EV3 CARDS	AVIGILON ALTA MIFARE CLASSIC 1K FOBS
PART NUMBER	OP-ACH-EV3P10	OP-KFH-10
Form Factor	Solid/prepunched	Key ring
Format	ISO14443A-4	14443 Type A/B
Compatibility	Avigilon High Frequency Readers Avigilon Smart Reader v2 Avigilon Pro Series Readers Allegion Schlage NDEB and LEB Wireless Locks	

KEY FEATURES

Supports custom badge printing

LEARN MORE

For more information, visit **avigilon.com**

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