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 safe 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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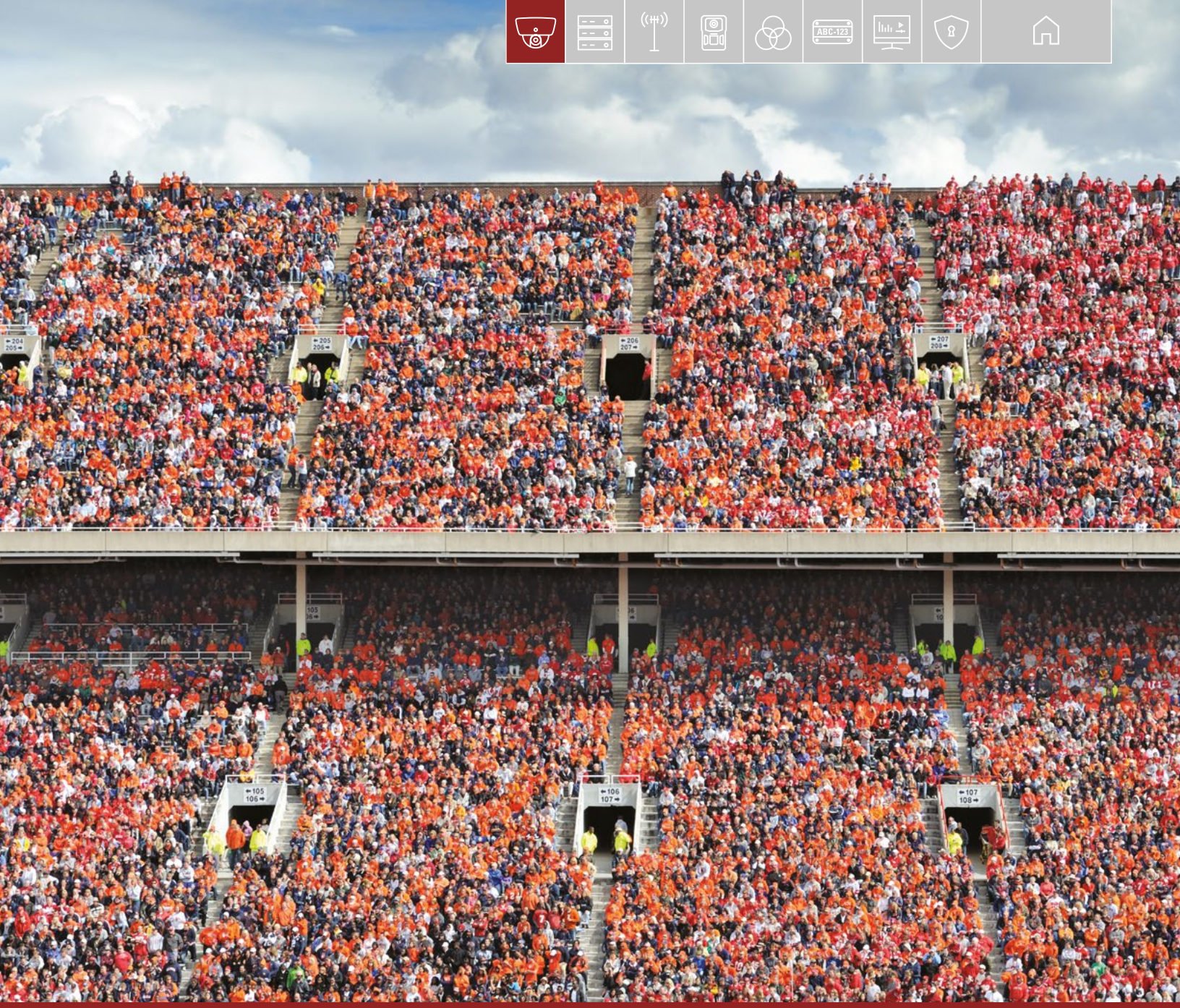

FIXED CAMERAS

Motorola Solutions 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.

H6 MINI DOME CAMERA

MSRP FROM $442

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 (HFOV)	(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

- Intelligent Motion, powered by Next-Generation Video Analytics[1]
- Wide Field of View
- Wide Dynamic Range Support
- Compliant with ONVIF® Profile S, T and G
- FIPS-Compliant Cryptography Available[2]
- 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] Analytic capabilities include Unusual Activity Detection and classified object motion detection only.

[2] Additional license required — see page 25.

H5 PRO CAMERAS

MSRP FROM $4,886

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 26 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]
- Compliant with ONVIF Profile 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 25.
[3] Optional.

H5A CAMERAS

MSRP FROM $1,303

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
- Compliant 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]

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 25.

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

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H5A CAMERAS

MSRP FROM $1,303

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
- Compliant 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

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 25.

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

H5A FISHEYE CAMERAS

MSRP FROM $1,157

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
- Occupancy Counting
- Wide Dynamic Range Support
- Compliant with ONVIF Profile S, T and G
- FIPS-Compliant Cryptography Available[1]
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG
- Adaptive IR Technology[2]

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 25.

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

H5A CORNER CAMERAS

MSRP FROM $1,955

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
- Compliant 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
- No Face Mask Detection, Occupancy Counting, Social Distancing Technology

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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 25.

Part number varies based on camera resolution R.

H5A DUAL HEAD CAMERAS

MSRP FROM $2,154

The new 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
- Compliant 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)
- No Face Mask Detection, Occupancy Counting, Social Distancing Technology

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 25.

Part number varies based on camera resolution R.

H5A MODULAR CAMERA

MSRP FROM $1,213*

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
- Compliant with ONVIF Profile S, T and G
- FIPS-Compliant Cryptography Available[1]
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG

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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 25.

H5A PTZ CAMERAS

MSRP FROM $3,893

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[1]
- Unusual Activity Detection
- Avigilon Appearance Search Technology[1]
- Facial Recognition Technology
- Wide Dynamic Range Support
- Compliant with ONVIF Profile S, T and G
- FIPS-Compliant Cryptography Available[2]
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG
- No Face Mask Detection & Occupancy Counting

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] At home position only.
[2] Additional license required — see page 25.

Part number varies based on camera resolution R.

H5A IR PTZ CAMERA

MSRP FROM $5,793

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
- Unusual Activity Detection
- FIPS-Compliant Cryptography Available
- Compliant 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 25.

[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 $9,384

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]
- Compliant 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 25.
[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.

H5SL CAMERAS

MSRP FROM $586

Features wide and long-range lens variants that are available in a variety of resolutions to provide you with a simple, flexible and cost-effective security solution.

SPECIFICATIONS

MODEL NAME	H5SL BULLET				H5SL DOME (OUTDOOR)				H5SL DOME (INDOOR)			
PART NUMBER	–				R C-H5SL-DO1				R C-H5SL-D1			
WITH OPTIONAL IR ILLUMINATORS	R C-H5SL-BO L -IR				R C-H5SL-DO1-IR				R C-H5SL-D1-IR			
Resolution per Sensor (MP) R	1.3	2.0	3.0	5.0	1.3	2.0	3.0	5.0	1.3	2.0	3.0	5.0
Image Sensor (progressive scan CMOS)	1/2.8"											
Max. Dynamic Range	120 dB											
Max. Image Rate	30 fps			25 fps	30 fps				30 fps			25 fps
Max. IR Illumination Distance	70 m (230 ft)[1]				30 m (100 ft)[1]							
Environmental	IK10 impact rating, IP66 and IP67 weather rating								–			

LENS OPTIONS L (REMOTE ZOOM AND FOCUS)												
1	3–9 mm, F1.4	Max. Angle of View[3]	–							35° – 90°		–
		Minimum Illumination (color / monochrome)	–							0 lux[2]		–
1	3.1–8.4 mm, F1.6	Max. Angle of View[3]	35° – 90°				35° – 90°			–		35° – 90°
		Minimum Illumination (color / monochrome)	0 lux[2]									
2	9.5–31 mm, F1.4	Max. Angle of View[3]	–		10° – 32°	9.5° – 30°	–					
		Minimum Illumination (color / monochrome)	–		0 lux[2]		–					

KEY FEATURES

- Unusual Motion Detection
- LightCatcher Technology
- Wide Dynamic Range Support
- Compliant with ONVIF Profiles G, S and T
- 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/output
External I/O Terminals	Alarm in, alarm out
PoE Power Source	IEEE802.3af Class3 compliant
Onboard Storage	microSD/microSDHC/microSDXC slot – video speed class required. Class V10 or better recommended.

[1] Varies based on camera settings and lens option — refer to datasheet.
[2] With optional IR.
[3] Based on aspect ratio — refer to datasheet.

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

H5M CAMERAS

MSRP FROM $651

Small and mighty, the 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-DO1-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
- Compliant 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 MULTISENSOR CAMERAS

MSRP FROM $2,697

Combines self-learning video analytics with exceptional coverage, featuring three or four individually-adjustable camera sensors that can be positioned to monitor virtually any area.

SPECIFICATIONS

MODEL NAME	3-SENSOR			4-SENSOR		
PART NUMBER[1]	R C-H4A-3MH-C			R C-H4A-4MH-C		
Resolution R (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 (progressive scan CMOS)	1/2.8"		1/2.5"	1/2.8"		1/2.5"
Max. Dynamic Range	100 dB					
Max. Image Rate[2]	30 fps	20 fps	15 fps	20 fps	15 fps	10 fps
Max. IR Illumination Distance (at 0 lux)	30 m (98 ft)					
Environmental	IP66 weather rating, IK10 impact rating. Surface Mount and Pendant only.					

LENS OPTIONS (Remote Zoom and Focus)						
2.8 mm, F1.2	Total Coverage C	270°		–	360°	–
	Minimum Illumination (color / monochrome)	0.025 lux / 0.005 lux[4]		–	0.025 lux / 0.005 lux	–
4 mm, F1.6	Total Coverage C	180°		–		
	Minimum Illumination (color / monochrome)	0.05 lux / 0.010 lux[4]		–		
4 mm, F1.8	Total Coverage C	–		270°	–	360°
	Minimum Illumination (color / monochrome)	–		0.2 lux / 0.04 lux[4]	–	0.2 lux / 0.04 lux[4]
5.2 mm, F1.8	Total Coverage C	–		180°	–	
	Minimum Illumination (color / monochrome)	–		0.2 lux / 0.04 lux[4]	–	

KEY FEATURES

- LightCatcher Technology
- Compliant with ONVIF Profiles G, S and T
- Wide Dynamic Range Support
- H.264 & H.265 HDSM SmartCodec Technology, Motion JPEG
- Self-Learning Video Analytics
- FIPS-Compliant Cryptography Available[5]

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	G.711 PCM 8 kHz
Audio Input/Output	Line level input/output
External I/O Terminals	Alarm in, alarm out
External Power Source	24 VDC ± 10%; 24 VAC rms ± 10%, 50 or 60Hz
PoE Power Source	With IR: 51W PoE++ Without IR: 25.5W PoE+, IEEE 802.3at Type 2 PoE Plus
Onboard Storage	MicroSD/microSDHC/microSDXC slot (class 10/UHS-1 or better recommended)

[1] This is the part number for the camera module only. Please see accessories page for mounting adapters.
[2] Using High Frame Rate Mode. Image rate is affected by analytics settings — refer to camera datasheet.
[3] Compatible with matching Avigilon 60W Injector.
[4] 0 lux with optional IR illuminator.
[5] Additional license required — see page 25.

Part number varies based on camera resolution R and coverage C.

H4 THERMAL CAMERAS

MSRP FROM $6,026

Combines patented self-learning video analytics with thermal technology to provide you with long-range perimeter protection, even under the most challenging conditions.

SPECIFICATIONS

MODEL NAME	H4 THERMAL QVGA			H4 THERMAL VGA		
PART NUMBER	320S-H4A-THC-BO50	320S-H4A-THC-BO24	320S-H4A-THC-BO12	640S-H4A-THC-BO50	640S-H4A-THC-BO24	640S-H4A-THC- BO12[1]
Resolution	320x256[2]			640x512[3]		
Sensitivity	NETD <60mK					
Image Sensor	Uncooled VOx Microbolometer					
Dynamic Range	-40 °C to 225 °C (-40 °F to 437 °F)[4]					
Operating Temperature Range	-40 °C to +65 °C (-40 °F to 149 °F)					
Environmental	IP66 weather rating, IK10 impact rating			IP66 and IP67 weather rating, IK10 impact rating[5]		
ONVIF Compliance	Profiles G, S and T			Profiles G and S		

LENS OPTIONS							
4.3 mm, F1.0, Athermalized	Angle of View	45.9°	–	–	–	–	–
	Classified Object Detection Range	Human: 68 m (224 ft) Vehicle: 80 m (263 ft)[6]	–	–	–	–	–
9.1 mm, F1.0, Athermalized	Angle of View	–	21.6°	–	–	–	–
	Classified Object Detection Range	–	Human: 150 m (493 ft) Vehicle: 160 m (525 ft)[6]	–	–	–	–
8.7 mm, F1.0, Athermalized	Angle of View	–	–	–	50.7°	–	–
	Classified Object Detection Range	–	–	–	Human: 120 m (394 ft) Vehicle: 142 m (466 ft)[6]	–	–
18.0 mm, F1.0, Athermalized	Angle of View	–	–	10.8°	–	24.3°	–
	Classified Object Detection Range	–	–	Human: 220 m (722 ft) Vehicle: 225 m (739 ft)[6]	–	Human: 210 m (689 ft) Vehicle: 225 m (739 ft)[6]	–
36.0 mm, F1.0, Athermalized	Angle of View	–	–	–	–	–	12.2°
	Classified Object Detection Range	–	–	–	–	–	Human: 310 m (1017 ft) Vehicle: 319 m (1047 ft)[6]

KEY FEATURES

- Maximum Image Rate of 8.6 fps
- H.264 HDSM SmartCodec Technology, Motion JPEG
- Self-Learning Video Analytics

LEARN MORE

AUDIO, POWER & STORAGE

Audio Compression Method	G.711 PCM 8 kHz
Audio Input/Output	Line level input/output
External I/O Terminals	Alarm in, alarm out
External Power Source	VDC: 12 V, VAC: 24 V
PoE Power Source	IEEE802.3af Class 3 compliant
Onboard Storage	SD/SDHC/SDXC slot (minimum class 4, class 6 or better recommended)

[1] Image shows this model.
[2] Can be scaled up to 640x512.
[3] Can be scaled down to 320x256.
[4] May vary based on operating temperature.
[5] Enclosure only.
[6] Detection ranges may vary in different weather conditions.

H4 ELEVATED TEMPERATURE DETECTION (ETD) SOLUTION

Provides a low friction, contactless alternative to traditional screening methods and enables high-throughput pre-screening of people to detect indications of elevated body temperature.

SPECIFICATIONS

MODEL NAME	H4 ELEVATED TEMPERATURE DETECTION SOLUTION
PART NUMBER	H4A-ETD-KIT
Image Sensor	640x512
Accuracy	±0.5 °C (±0.9 °F) for ambient temperature 18–25 °C (65–77 °F)
Sensitivity	NETD <60mK
Pixel Pitch	12 µm
Spectral Range	8 µm to 14 µm
Operating Temperature	18 to 25 °C (65 to 77 °F)
Aspect Ratio	5:4
Angle of View (H x V)	50.7° x 40.4°
Imaging Rate	8.6 fps
Lens	8.7 mm, F1.0, Athermalized
Environmental	IK10 Impact Rating[1]

KEY FEATURES

- Face Detection
- Auto Detection of Inner Canthus Region
- Temperature Overlay on Detected Face
- H.264 HDSM SmartCodec Technology
- Elevated Temperature Alerts
- Relay I/O Connections
- Audio Capabilities

LEARN MORE

KIT INCLUDES

Bullet camera
Blackbody
2 Tripods
2 Tilt Adapters

[1] Enclosure only

H4 VIDEO INTERCOM

MSRP FROM $1,873

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-RO1-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
- Compliant 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 $2,458

The HALO Smart Sensor (HALO), by IPVideo Corporation, is a real-time vape detector and security device that helps to detect potentially critical events in privacy concern areas that involve environmental changes, air quality changes (by particulate matter).

SPECIFICATIONS

MODEL NAME		HALO SMART SENSOR
PART NUMBER		HALO-V2.00C
Dimensions	Sensor	119mm x 62mm; 4.7" x 2.44"
	With Mounting Plate	146mm x 78mm; 5.75" x 3.08"
Weight		0.365 kgs; 0.8 lbs
Opertating Temperature		Min: 0C (32F), Max: 50C (122F)
Power		PoE (IEEE 802.3af Class 3 Compliance) 9W
Relays / Outputs		2, Normally Open or Closed, 48VDC at 1 amp
Alarm Triggers		Vape, Vape THC, Aggression, Air Quality Index (AQI), Gunshot, Spoken Key Word, Tamper, Particulates, Carbon Dioxide Equivalents, Total Volatile Organic Compounds, Carbon Monoxide, Amnonia, Temperature/Humidity, Light Level, Sound Levels
USB Port		USB 2.0
Ethernet Port		Ethernet (RJ45) for Tablet

KEY FEATURES

- All-In-One, Intelligent Device
- Real-Time Alerts
- Integration & Analytics
- Cost-Savings

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 and 3) 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	FIPS LEVEL 3 ENCRYPTION	INTEGRATED TPM
PART NUMBER		CAM-FIPS	CAM-FIPS-CRYPTR-L3	
DESCRIPTION		Camera license to enable FIPS Level 1 cryptographic mode on H5A camera	CRYPTR microSD cards enable hardware-based, tamper-proof protection of encryption keys and certificates for FIPS Level 3 cryptography on all Avigilon H5A Cameras equipped with micro SD card slots.	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 $11[1]	MSRP from $150[2]	
	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	✓	✓	
	H4 Multisensor Cameras	✓		

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

[2] Based on CAM-FIPS-CRYPTR-L3 (MSI CRYPTR SD) with camera license to enable FIPS Level 3 cryptographic mode on H5A cameras.

ACCESSORIES

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

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 & H4 THERMAL 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

[1] Compatible with ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG, ES-HD-CWS-LG.
[2] Compatible with ES-HD-HWS-SM, ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG and ES-HD-CWS-LG.

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

ACCESSORIES

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

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 -20°C (-4°F) to 40°C (104°F). 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

H5M CAMERA

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

H4 MULTISENSOR CAMERA

TYPE	PART NUMBER
Pendant wall mount (Order one of each of)	H4AMH-AD-PEND1
	H4AMH-DO-COVR1 or H4AMH-DO-COVR1-SMOKE
	IRPTZ-MNT-WALL1
	Optional, H4AMH-AD-IRIL1
NPT mount (Order one of each of)	H4AMH-AD-PEND1
	H4AMH-DO-COVR1 or H4AMH-DO-COVR1-SMOKE
	IRPTZ-MNT-NPTA1
	Optional, H4AMH-AD-IRIL1
In-ceiling mount (Order one of each of)	H4AMH-AD-CEIL1
	H4AMH-DC-COVR1 or H4AMH-DC-COVR1-SMOKE
	Optional, H4AMH-DC-CPNL1 if ceiling panel needed
Surface mount (Order one of each of)	H4AMH-AD-DOME1
	H4AMH-DO-COVR1 or H4AMH-DO-COVR1-SMOKE
	Optional, H4AMH-AD-IRIL1
Camera modules	9C-H4A-3MH-270
	9C-H4A-3MH-180
	15C-H4A-3MH-270
	15C-H4A-3MH-180
	24C-H4A-3MH-270
	24C-H4A-3MH-180
	12C-H4A-4MH-360
	20C-H4A-4MH-360
	32C-H4A-4MH-360
Pole mount adapter	H4-MT-POLE1
Corner mount adapter	H4-MT-CRNR1
Optional injectors and switches	ES-PS-S4
	ES-PS-MNT-POLE1
	POE-INJ2-60W
	POE-INJ2-PLUS

H4SL & H5SL DOME CAMERAS

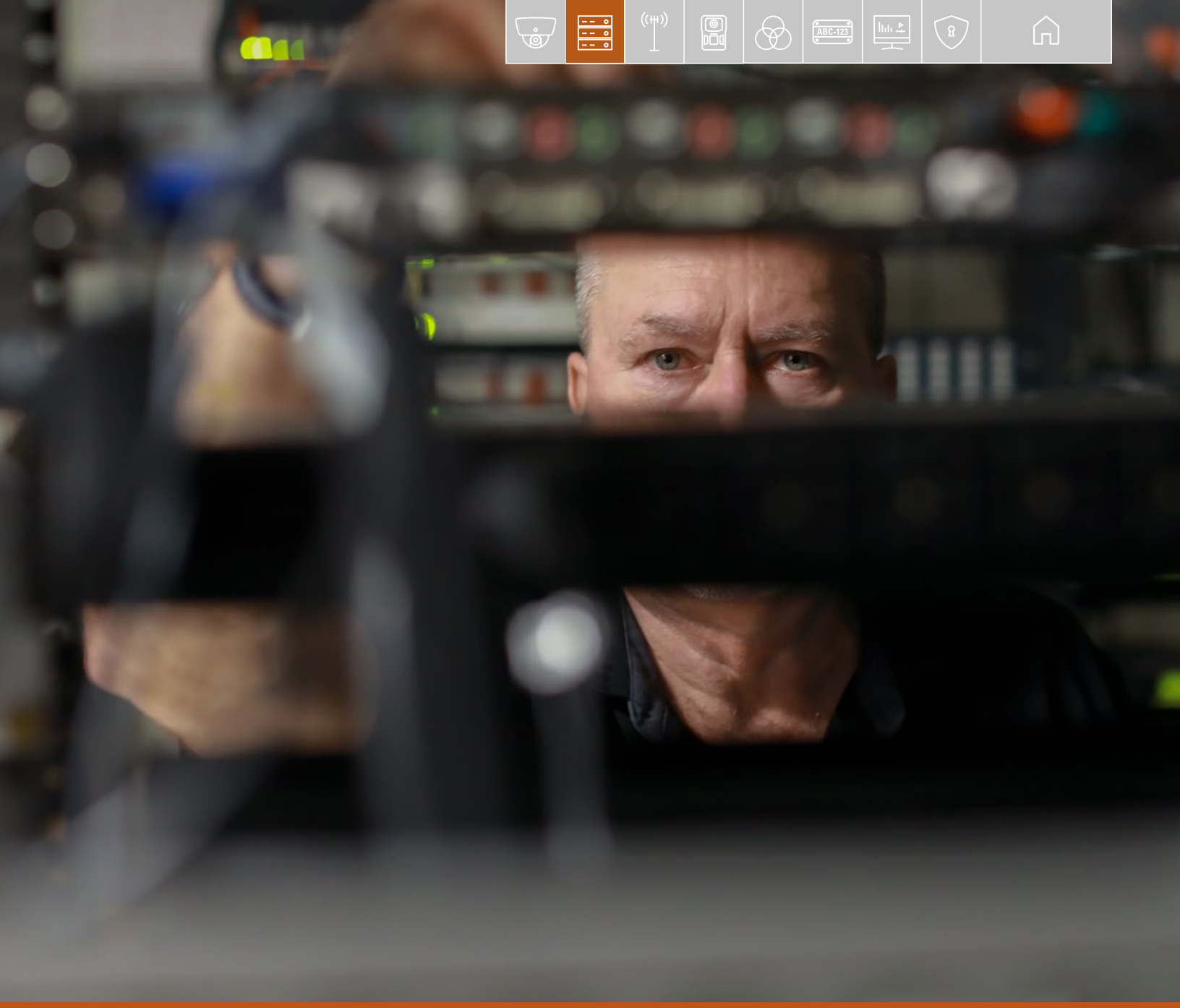
TYPE	PART NUMBER
In-ceiling mount	H4SL-MT-DCIL1
NPT adapter	H4SL-MT-NPTA1
Pendant wall arm	CM-MT-WALL1
USB WiFi adapter	H4-AC-WIFI2-NA
	H4-AC-WIFI2-EU
Corner amount adapter	H4-MT-CRNR1
Pole mount adapter	H4-MT-POLE1
Junction box	H4-BO-JBOX1
PoE injector	POE-INJ2-STD

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



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 $10,378

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 VALUE	AI NVR STANDARD			AI NVR PREMIUM [+]			
PART NUMBER		AINVR-VAL- C TB	AINVR-STD- C TB			AINVR-PRM[-PLUS]- C TB			
Storage (TB)	Total Capacity C	12	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	AVIGILON ANALYTICS CAMERAS[1]		NON-ANALYTIC CAMERAS[1]			NUMBER OF LPR LANES[2]					
						DEFAULT MODE			PERFORMANCE MODE[5]		
	APPEARANCE SEARCH ONLY[3] OR	FACIAL RECOGNITION + APPEARANCE SEARCH[4] OR	CLASSIFIED OBJECT DETECTION ONLY[3] OR	CLASSIFIED OBJECT DETECTION + APPEARANCE SEARCH[4] OR	CLASSIFIED OBJECT DETECTION + APPEARANCE SEARCH + FACIAL RECOGNITION[4]	10 FPS <48 KM/H	20 FPS <100 KM/H	30 FPS <150 KM/H	10 FPS <48 KM/H	20 FPS <100 KM/H	30 FPS <150 KM/H
AI NVR Premium +	200	100	55	55	50	12	6	4	53	26	17
AI NVR Premium	200	100	30	30	27	8	4	2	28	14	9
AI NVR Standard + Performance Kit [5]	200	100	25	25	23	7	3	2	29	14	9
AI NVR Standard	200	100	12	12	11	5	2	1	15	7	5
AI NVR Value	200	50	6	6	5	4	2	1	8	4	2

KEY FEATURES

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

LEARN MORE

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

‡ Requires the use of multiple 1GbE ports, either in a team using LACP/ALB mode or using multiple VLANs.

[1] These performance figures are based on validation testing by Avigilon, using Avigilon Control Center 7.14.4 software. 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.

[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 frames per second (fps).

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

[5] Requires LPR Performance mode to be enabled. Available with ACC version 7.14.6 or later. LPR Performance mode will limit other analytics on your AI NVR. See the AI NVR user guide for more information.

[6] Requires installation of the AINVR-STD-PRK Performance Kit on the AI NVR Standard.

Part number varies based on total storage capacity C.

NVR5 SERIES

MSRP FROM $6,335

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

GENERATION	NVR5	NVR5		NVR5	NVR4
MODEL	PREMIUM	PREMIUM		STANDARD+	VALUE
Storage Capacity	256TB to 432TB	192TB to 223TB	96TB to 160TB	16TB to 64TB	6TB, 12TB, 16TB, 24TB
Max. Total Throughput (Mbps)	2,100	2,100		1,400	428
Max. Record Rate	1,500	1,500		800[5]	300
Max. Playback Rate	600[3]	600[3]		600	128
Max. Cameras Supported for Appearance Search only	200	200		200	50[4]
+ Facial Recognition	50	50		50	15[4]
LPR Lanes[2], 10FPS (<48 KM/H)	10	12	6	6	1
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

LEARN MORE

+ NVR5 Standard Models will be available for orders in July 2022.

[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 ACC 7.14.10 or later.

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

[4] The NVR4 Value requires an additional GPU kit to enable Avigilon Appearance Search technology.

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

NVR & WORKSTATIONS

MSRP FROM $3,194

The Avigilon Workstation lineup offers a simple and easy way to bring high-performance monitoring to new and existing systems.Select either a two- or four-monitor workstation, pre-loaded with ACC Client software, and featuring a maximum resolution of 3840 x 2160 (4K) per monitor.

SPECIFICATIONS

MODEL NAME		NVR4X WORKSTATION		REMOTE MONITORING WORKSTATION	
PART NUMBER		NVR4X-WKS-4TB	NVR4X-WKS-8TB	RM 6-WKS-4MN	RM6-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 LTSB (2019)		Microsoft Windows 10 IoT Enterprise LTSB (2019)	
Processor		Intel Core i3 (10th Gen)		Intel® Core™ i5 1(11th Gen)	Intel Core i3 (10th Gen)
Memory		8 GB DDR4 RAM		32 GB DDR4 RAM	8 GB DDR4 RAM
OS Drive		M.2 256GB PCIe NVMe Class 40 SSD		M.2 256GB PCIe NVMe Class 40 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		DVD-RW	

*ACC 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 $62,859

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 Control Center (ACCTM) 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			
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

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. ACC 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.

HD VIDEO APPLIANCES

MSRP FROM $3,256

All-in-one solutions designed to reduce the cost and complexity of video security by simplifying deployment and maintenance.

SPECIFICATIONS

MODEL NAME		HD VIDEO APPLIANCE			HD VIDEO APPLIANCE PRO					
PART NUMBER		VMA-AS3-8P C			VMA-AS3-16P C			VMA-AS3-24P C		
Storage (TB)	Total Capacity C	2	4	8	6	9	12	12	18	24
	Configuration	1 x 3.5" HDD			4 x 3.5" HDD					
	Redundancy	None			RAID 5					
OS Drive		1 x SSD								
Max. Recording Rate		Up to 100 Mbps			Up to 300 Mbps					
Local Monitor Output Support		2 HDMI Ports								
Embedded Network Switch		8 ports			16 ports			24 ports		
Avigilon Appearance Search & Face Recognition Technology	Requirements	ACC Enterprise license and Optional Analytics Kit								
	Number of Avigilon Analytics-Enabled Cameras	50 Avigilon Appearance Search or 35 Avigilon Appearance Search + 15 Face Recognition[1]								

LEARN MORE

[1] Cameras with face recognition support also include Avigilon Appearance Search functionality.

Part number varies based on total storage capacity C.

ES APPLIANCE

MSRP FROM $2,582

Designed to keep video analytics and storage at the edge of the network to help lower bandwidth requirements for monitoring remote sites and decrease your system's total cost of ownership.

SPECIFICATIONS

MODEL NAME	ES 8-PORT APPLIANCE	
PART NUMBER	VMA-ENVR1-8P C A	
Storage Capacity (TB) C	4	8
Max. Recording Rate	130 Mbps	
Appliance Analytics Support	Yes[1]	
Form Factor	Small form factor, optional rack mount	
Embedded Network PoE Switch	8 ports	

LEARN MORE

[1] Requires ACC7-VAC optional licenses.

Part number varies based on total storage capacity C.

ACC ES RUGGED APPLIANCE

MSRP FROM $8,631

A rugged and reliable solution for harsh environmental conditions, purpose-built to meet the challenges that are commonly faced in city security, critical infrastructure and temporary security applications.

SPECIFICATIONS

MODEL NAME	ACC ES RUGGED 8-PORT APPLIANCE	
PART NUMBER	VMA-RPA-RGD-8P2	VMA-RPA-RGD-8P4
Storage Capacity (TB)	2	4
Max. Recording Rate	130 Mbps	
Analytics Support	Yes[1]	
Form Factor	Ruggedized case with DIN rail mount option included	
Embedded Network PoE Switch	8 ports	
Warranty	5 year warranty	

[1] Analytics features are included by default with the addition of ACC camera licenses.

KEY FEATURES

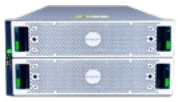
- Video Analytics
- Embedded Video Management Software
- Low Voltage Operation
- Solid-State Drive
- Remote Notifications
- Shock & Vibration Tolerant
- Isolated Digital I/O
- High Temperature Range

LEARN MORE

AVIGILON VIDEO ARCHIVE

MSRP FROM $114,948

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					

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 $11,969

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

LEARN MORE

[1] These performance figures are based on validation testing by Avigilon, using Avigilon Control Center™ 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 $1,116

The IP Horn speaker integrates with Avigilon Control Center (ACC) video management software, equipping operators with superior situational awareness to address trespassing or deter intruders.

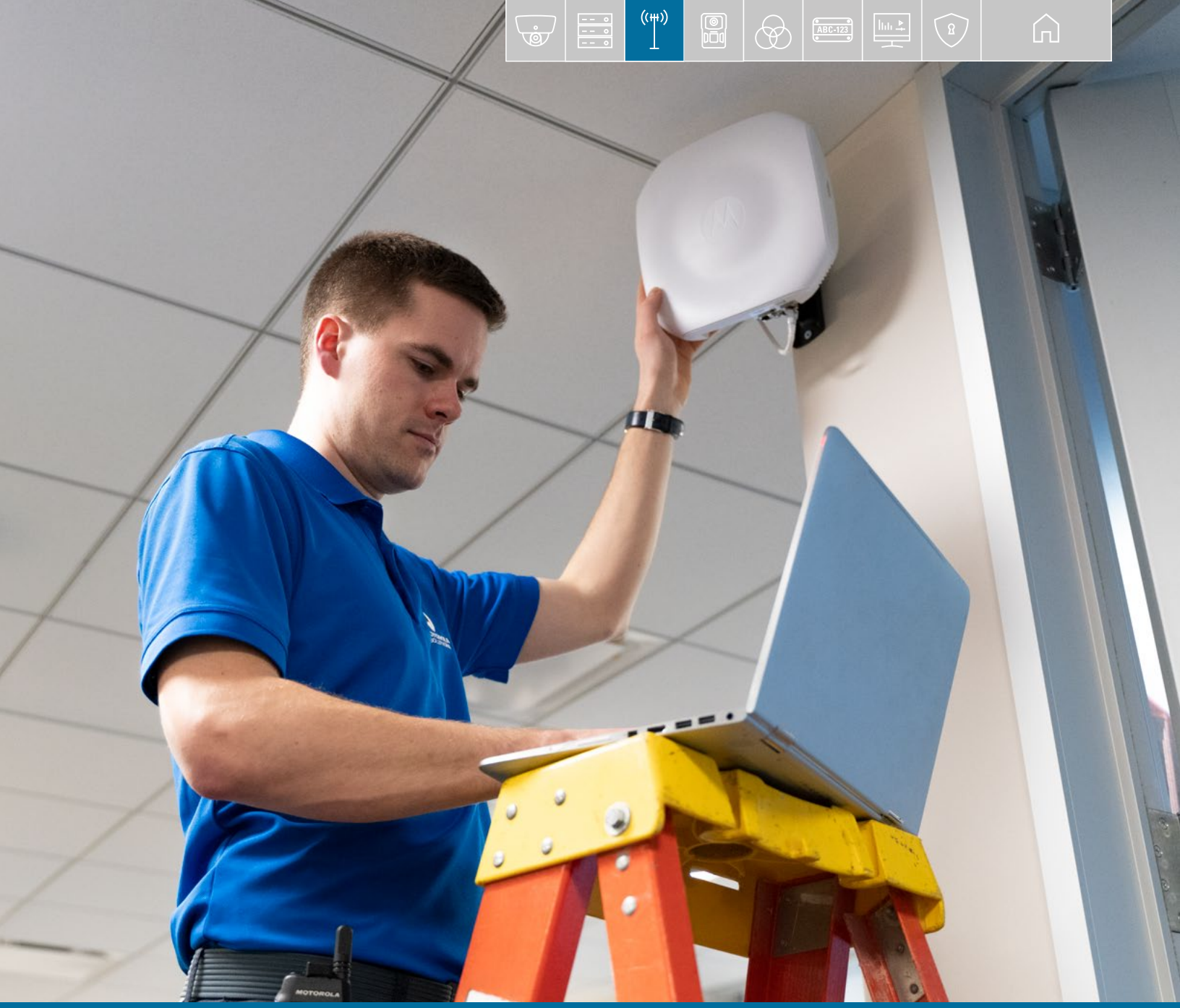
SPECIFICATIONS

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

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

LEARN MORE



ENTERPRISE-GRADE PRIVATE BROADBAND

Nitro by Motorola Solutions is a Citizens Broadband Radio Service (CBRS) platform that combines private broadband data with business-critical voice, delivering enterprise-grade private LTE that is easy-to-deploy and outperforms Wi-Fi. Nitro's integration with Avigilon video security cameras provides large, remote or dense sites with greater video coverage, reliable performance, and robust data security and privacy.*

*Nitro is only available in the USA.

NITRO

Designed to be deployed like a Wi-Fi network, Citizens Broadband Radio Service Devices (CBSDs) are mounted in desired locations and connected to other network gear typically racked in a central location. Avigilon camera connectivity into a Nitro network requires a fixed device containing a Nitro SIM card to gain network access and bridge the camera's ethernet communication capability with the network's CBRS wireless protocol.

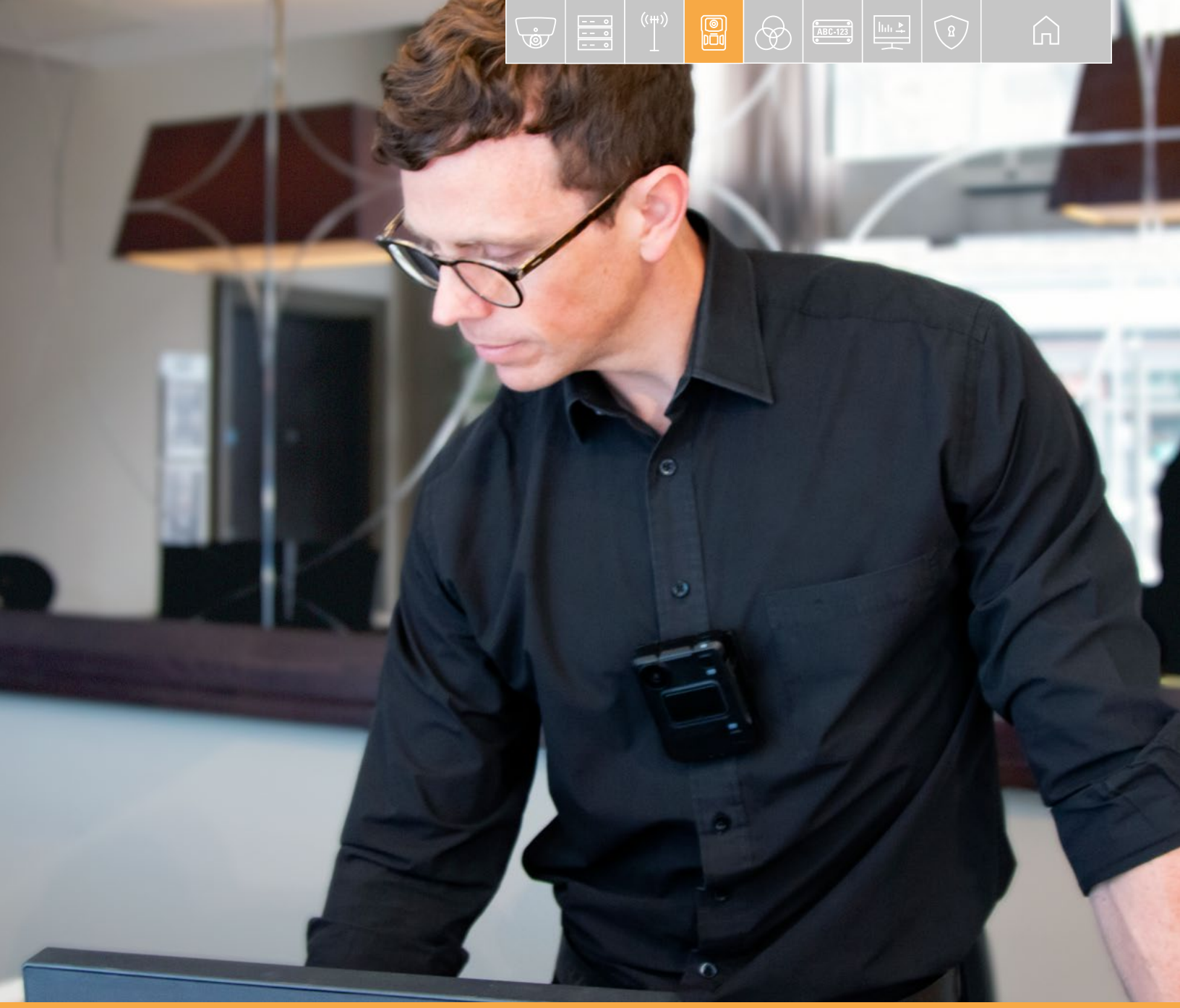
SYSTEM COMPONENTS

DEVICE IMAGE	DEVICE NAME	DEVICE TYPE	PART NUMBER	DESCRIPTION
	SLX 2000	CBSD (Access Point)	AAE20048ENA1AN	Indoor CBSD 3550-3700M 250mW Includes: CBSD with 64 active stream support, wall/ceiling mount hardware, integrated 8dBi antenna, copper ethernet or fiber backhaul, POE++ or 12V DC input, integrated GPS receiver, PTP license.
	SLX 4000	CBSD (Access Point)	AAE40048ENB2AN	Outdoor CBSD 3550-3700M 316mW. Includes: CBSD with 64 active stream support, pole/wall mount hardware (including adapter bands), copper ethernet backhaul, DC -40 to -57V, 10m DC power cable, GPS antenna for direct mount.
	SLN 1000	Two-Way Radio	HK2120A	Purpose-built CBRS radio, delivering highly reliable broadband push-to-talk. Featuring a built-in Wi-Fi hotspot, the SLN 1000 helps you get the most out of legacy radio equipment, while taking advantage of CBRS mobility and security.
	JUNIPER SRX 345 FIREWALL	Firewall/ Router (two (2) required)	T8577A	All Nitro networks require a minimum of one (1) SRX 345 for connectivity to the Nitro Cloud Core. Connection will be through the customer-provided Internet connection. Redundant links and/or redundant configurations are supported, additional switching not included.
	HPE ProLiant DL20 Gen10 Server	OnPrem Edge Gateway	SQM01SUM0319A	Includes: Nitro On-Prem Edge Gateway hardware (HP DL 20 appliance), NA AC power cord, and software. If redundancy or expansion is required, order a quantity of two.
	uFalconSTG PTP Bundle	PTP Timing Source	DSBNDLMSI2	Includes: uFalconSTG PTP, AC/DC Power Adapter, and a rack mounting shelf. All Nitro CBSDs require a timing source, either PTP or GPS. The uFalconSTG PTP provides PTP timing for up to 32 CBSDs, AC/DC power adapter and the rack mounting shelf items detailed below.
N/A	Expansion uFalconSTG PTP with AC/DC adapter	PTP Bundle	DSBNDLMSI21	Includes: PTP server with the AC/DC power adapter and is appropriate when a second co-located PTP server is required (i.e. expansion or redundancy).
N/A	EDGE TIMING MASTER	PTP Accessories	DSMFALCONST8SEGHOC	This is an expansion uFalconSTG PTP server that can be purchased to have redundancy in a network, if a network is being expanded beyond 32 CBSDs or if a spare PTP server is desired. The DSBNDLMSI2 bundle already includes a uFalconSTG PTP server.

LEARN MORE

*Nitro parts are sold by Motorola Solutions. To resell Nitro, an Avigilon Partner must apply to become a Motorola Solutions Partner: partnerapply.motorolasolutions.com

Please inquire with your local Avigilon sales representative to learn more.



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 $521

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 $838

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-F
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 F		
QR-N	Quick Release Fixing	Suitable for attaching to the quick release fixing options
KF-N	Klick Fast Harness	Suitable for directly attaching to the klick fast fixing options
VF-N	Close-Fit Mount	Suitable for attaching to the close fit mount options
ALIG	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 F.

BODY-WORN CAMERA ACCESSORIES

MSRP FROM $8*

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 $120

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 $1,021

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) Access Control Manager (ACM) 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 $1,014

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

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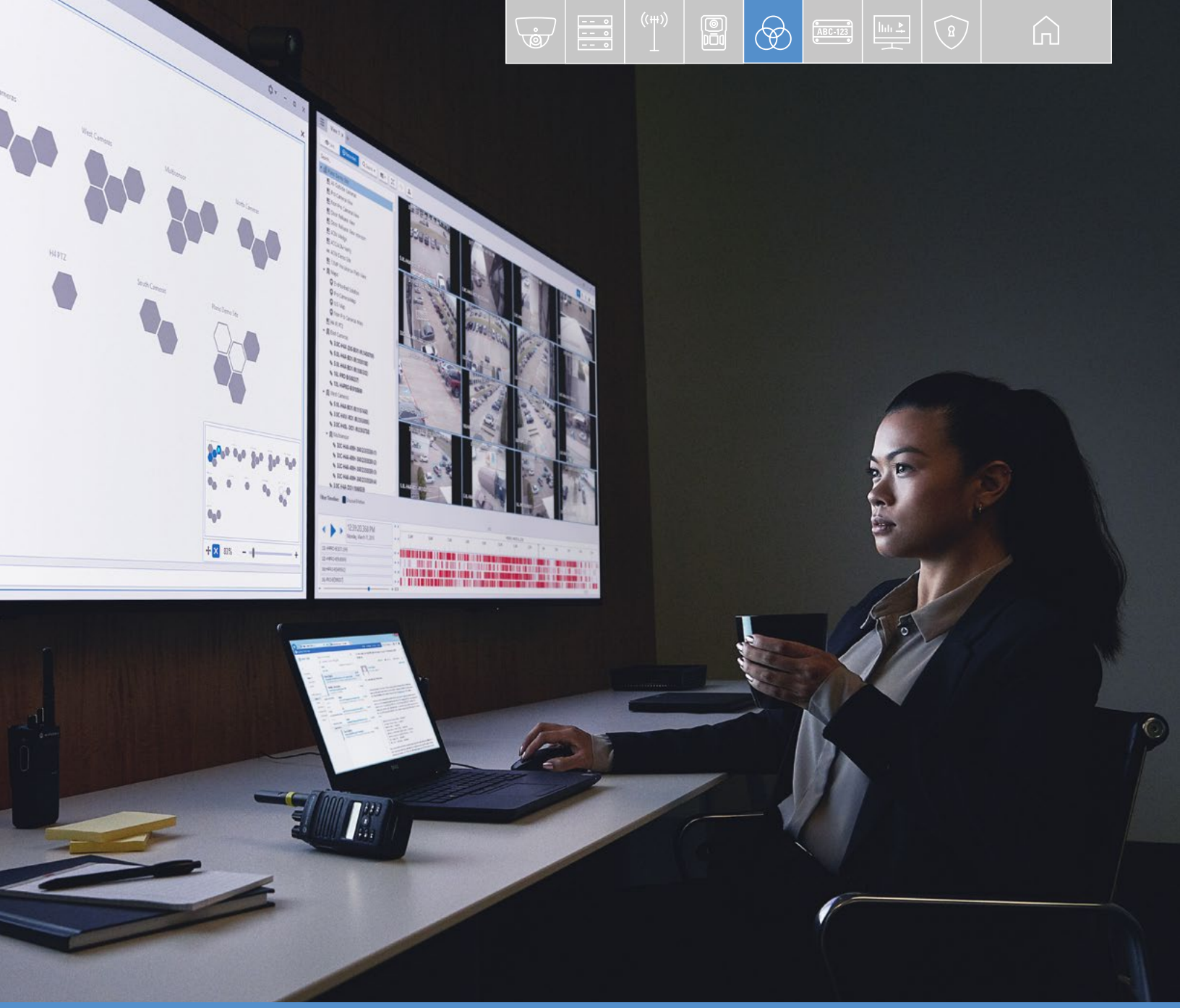
REGIONAL COMPATIBILITY

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. Security can combine Avigilon Control Center (ACC) with their security solutions such as advanced weapons detection system and companion application that helps to improve consistency and effectiveness of response actions.

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

Dimensions	Dual Lane	Depth	40.3in (102.4cm)
		Width	130.6in (331.7cm)
		Length	74in (188cm)
	Single Lane	Depth	40.3in (102.4cm)
		Width	73.8in (187.5cm)
		Length	74in (188cm)
Mat	Lip		0.184in (0.47cm)
	Height		0.89in (2.3cm)
Weight	Dual Lane		352 lbs (159.7kg)
	Single Lane		281 lbs (127.5kg)
Lane Opening			Each 39.8in (101.1cm)
ELECTRICAL			
Power			100VAC - 240VAC (+/-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

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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.

COMPASS DECISION MANAGEMENT SYSTEM

MSRP FROM $10,454

Motorola Solutions Compass Decision Management System™ offers an intuitive operational interface that supports the decision-making process for control room security operators. From a single pane of glass, it provides organizations with a companion application that helps to improve consistency and effectiveness of response actions, by presenting better insights from all their connected safety and security systems. Operators only have to follow step-by-step instructions, aided by video streams and audio calls for a prescriptive, consistent incident response every time.

SPECIFICATIONS

Supported Subsystem Categories	Video Recorders, Video Management Software, Access Control Software, Alarm Panels, Building Management Software, VoIP Devices
Supported Subsystems	Compass Integration Drivers Fact Sheet
Supported Industry Standards	ONVIF-S/G, RTSP, ContactID, SIA, Ademco High Speed, Sescoa, Modbus, OPC-DA, MQTT, SNMP
Data Room Servers (Minimum Requirements)	Windows Server 2019, Intel Xeon CPU(s), 32GB RAM, 1TB hard drive space
Virtualization Options	Windows Server 2019 on VMWare or HyperV
Compass SDK	Available free of cost, based in Java language. Allows integration of video, access control and alarm panel subsystems with Compass
Control Room / Workstations	Users operate Compass with a Web Browser. Google Chrome and Mozilla Firefox are supported browsers
User Authentication	Native, Active Directory, LDAP, LDAP-S, OpenID
GIS Engines	Google Maps, OpenStreetMap

KEY FEATURES

- Standard Operating Procedures
- Key Performance Indicators (KPIs)
- Automated Incident Reports
- Business Intelligence

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* Currently not available in North America.

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.

H4 LICENSE PLATE CAPTURE (LPC) KIT

MSRP FROM $3,583

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

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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.

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.

ACC SOFTWARE

Powerful software doesn't have to be complicated. ACC software leverages AI technology to give you control over your video security and focus your attention on what matters most. Use it with Avigilon cameras and sensors, leverage existing assets by using it with third-party devices.

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	
ACM™ Identity Verification	No	Yes	
ACM Identity Search	No	Yes	
ACM 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
License Plate Recognition and Event Search	No		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		

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[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.

ACC 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
- ACC Mobile application
- 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
- Avigilon Cloud Services web client
- FIPS 140-2 encryption
- Occupancy Counting analytics*
- Social Distancing analytics*
- Multi-camera export
- System & motion event email notifications

LEARN MORE

* Cloud connected sites only

ACC CLOUD SERVICES

The Avigilon Cloud Services (ACS) platform connects your ACC sites to the cloud and enables secure access to your system from anywhere using an internet browser. Operators can review live and recorded video as well as monitor the health of all cloud-connected ACC sites, including critical components such as cameras and servers.

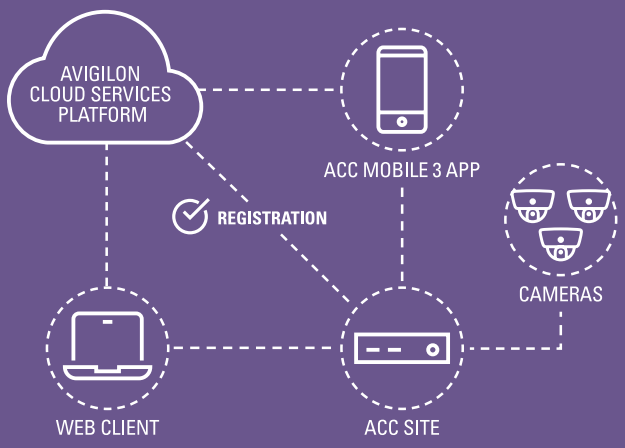
SPECIFICATIONS

Centralized Access	Anywhere Access	Organizations with distributed locations can easily access their ACC 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 ACC Sites	Connect ACC 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 ACC software as push notifications directly to the ACC 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 ACC, ACM and ACS software.
	Seamless User Provisioning	Provisioning users is simple, as existing ACC 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 ACC sites.
	Remote Site Upgrades	Push software upgrades remotely to one or more ACC sites simultaneously, ensuring all of your sites are always on the latest versions of ACC.
Technical Specifications	Compatible ACC Platform	ACC 7.10 or later is required to connect ACC sites to Avigilon Cloud Services.
	Compatible ACC Mobile Platform	ACC Mobile 3 App is required to support remote access via a mobile device and to receive analytic alarms from ACC.

KEY FEATURES

The ACS platform enables a modern cloud-connected user experience, accessible without installation from a web browser. It lays the foundation for ACC 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 ACS platform simplifies the management of physical security systems for customers.



LEARN MORE

SMART ASSURANCE PLAN

The Avigilon Smart Assurance Plan offers optimal protection for your Avigilon Control Center (ACC) 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 ACC 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

ACC 7.14.0 or newer is required to use Smart Update parts.

VIDEOMANAGER SOFTWARE

MSRP FROM $267*

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 ACC 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.

ACCESS CONTROL

The Motorola Solutions Access Control Manager (ACM) system is a physical access control system for enterprise-class installations, designed to help you focus on securing your people, property and assets, while giving you the flexibility to respond to alerts wherever you are. It seamlessly integrates with ACC software to provide you with a powerful and unified security solution that helps you proactively monitor and secure your sites.

ACM 6 SOFTWARE

MSRP FROM $2,510

Motorola Solutions Access Control Manager (ACM) is a physical access control system for enterprise-class installations, designed to protect people, property and assets with advanced alarm and identity management providing superior control of access to facilities. This 100% browser-based solution offers the flexibility to respond to alerts from anywhere. ACC unification offers a powerful end-to-end security solution to monitor and secure sites.

DETAILS

Identity Management	Integrated Badging	Ability to design and print badges from within the ACM Browser.
	Collaborations	Collaboration provides the ability to exchange data between the access control appliance application and a large number of other database types (e.g., LDAP, SQL Server, Oracle RDBMS, CSV imports, Generic XML, REST API Tools).
	Identity Correlation Report	Contact tracing tool to help verify identities that may be at risk by having close contact with infected individuals.
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 ACM can be viewed on a map and linked to the associated live or recorded video stream from ACC software.
	Email Notifications	Receive automatic email notifications of access control events.
	Identity Mustering	This interactive tracker can pinpoint missing personnel quickly with a real-time visual display of where people are at all times based on their badging activity.
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 ACM 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 ACC 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	ACM 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	ACM Expedite provides quick and easy access to pre-configured global actions and door commands, allowing operators on-the-go to swiftly perform daily operations such as unlocking a door, and responding to critical events such as a sitewide lockdown – all from their mobile device.

KEY FEATURES

The Motorola Solutions Access Control Manager (ACM) system is designed to keep your focus on securing people, property and assets, and maximize your time by helping you respond immediately to alerts wherever you are. The ACM™ system is 100% browser-based, requiring no software installation. Deploying hardened linux-based appliances, we use open-field hardware to leverage a breadth of standardized products from trusted manufacturers for different solutions to uniquely fit customer needs. It also supports third party integrations through our RESTful API. The ACM system leverages an open architecture, integrates identity management and video surveillance such as ACC video management software and achieves a high level of scalability with a low cost of ownership. It delivers a ready-to-deploy solution that provides the performance you expect from an enterprise-class solution.

LEARN MORE

ACM 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 $2,510	**MSRP from $5,521**	**MSRP from $17,822**	**MSRP from $3,765**
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 ACM 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 $567

With hardware options for small to enterprise level systems, deploying and managing your ACM 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 ACM system Enhanced data security with embedded crypto memory chip	Monitor high concentrations of inputs and outputs with the ACM 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 ACM system offers trusted and secure door readers and multipurpose credential options to keep security at the forefront of your facility.

DETAILS

	VIRDI BIOMETRIC ACCESS READERS	AVIGILON SE CARD READERS	AVIGILON SE CREDENTIALS	AVIGILON SIGNO CARD READERS	AVIGILON SEOS CREDENTIALS
MODEL NAME					
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 $985	**MSRP from $238**	**MSRP from $8**	**MSRP from $347**	**MSRP from $9**
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 ACM 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 ACM 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 ACM system offers trusted and secure door readers and multipurpose credential options to keep security at the forefront of your facility.

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 $9	**MSRP from $411**	**MSRP from $332**	**MSRP from $666**	**MSRP from $978**	**MSRP from $130**
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 ACM system offers trusted and secure door readers and multipurpose credential cards to keep security at the forefront of your facility.

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 $494	**MSRP from $472**	**MSRP from $225**	**MSRP from $238**	**MSRP from $3,013**	**MSRP from $750**
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

LEARN MORE

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

READERS & CREDENTIALS

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

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/BT1-7OS/1A AC-STID-READER-ARC1S-R31-B/BT1-3I/1A AC-STID-READER-ARCS-W33-A/BT1-7OS/1A AC-STID-READER-ARCS-W33-B/BT1-7OS/1A AC-STID-READER-ARCS-W33-C/BT1-7OS/1A AC-STID-READER-ARCS-W33-AQ/BT1-7OS/1A AC-STID-READER-ARCS-W33-BQ/BT1-7OS/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/BT4-7OS/1 EUROPE LOW-BAND: AC-STID-READER-SNA-W43-A/BT4-7OS/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 $434	**MSRP from $599**	**MSRP from $2,183**	**MSRP from $1,240**	**MSRP from $1,374**	**MSRP from $8**
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 $608

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 ACM 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.

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 $733**	**CALL FOR PRICE**	**MSRP from $617**	**MSRP from $1,056**
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 ACM 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.

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			
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 ACM 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 ACM 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	ACCESS CONTROL MANAGER SOFTWARE	HID PIVCLASS SOFTWARE	CONTROLLERS & SUB-PANELS	HID PIVCLASS AUTHENTICATION MODULE (PAM)	HID PIVCLASS READERS
APL Approved Products	**APL #10122** Avigilon PACS software ACM 6.4.2	**Validation System APL# 10123** pivCLASS Registration Engine for ACM 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)

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BIOMETRIC SOLUTIONS

The integration of ACM 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 $260	**MSRP from $1,477**	**MSRP from $985**
Features	Seamless integration between VIRDI's Biometrics Enrollment Manager interface and ACM to add and remove biometric identities Easily set up and manage biometric identities directly from ACM Authenticate individual using one-to-one biometric verification	Seamless integration between VIRDI's Biometrics Enrollment Manager interface and ACM to add and remove biometric identities IP65 rating for dust and water resistance OSDP compatible with ACM 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 ACM 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 ACM controllers integration

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VISITOR MANAGEMENT

ACM 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	ACM 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 $5,450	**MSRP from $3,061**	**MSRP from $4,854**	**MSRP from $690**
Features	EasyLobby visitor records are automatically updated to ACM 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

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INTRUSION PANELS INTEGRATION

MSRP FROM $489

Centrally monitor and control intrusion objects and access events from the ACM system for visual verification of alerts and faster responses. Operators can manually arm or disarm areas and leverage ACM 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	

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ACM VERIFY VIRTUAL STATIONS

MSRP FROM $451

ACM 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	ACM 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 ACM 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 ACM 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

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For more information, visit **motorolasolutions.com/en_us/video-security-access-control.html**

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