

PRODUCT CATALOG

FIXED & MOBILE VIDEO SOLUTIONS | Q2 2020





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Avigilon, a Motorola Solutions company, designs, develops and manufactures solutions in video analytics, cloud, security cameras, video management software and hardware, and access control. Avigilon is an industry leader and, together with Motorola Solutions, provides integrated solutions for video security, access control and critical communications.

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Avigilon offers a complete video security solution, from 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, IR and LightCatcher™ technology to help you see more in dark environments, and a 360-degree view for broad coverage with fewer cameras.

















H₅A

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

Image Sensor (progressive scan CMOS)

Max. Dynamic Range

Power Source

ONVIF® Compliance



1/2.8"

126 dB

132 dB







H5A Dome (Pendan
B.OC-H5A-DP
(B.OC-H5A-DP()-II





1/2.8"

126 dB

132 dB

H5A Dome (Outdoor Surface) ①.0C-H5A-DO①)	
	3 .00	-H5A-D0	O-IR	
2 MP	⚠ MP	♠ MP	6 MP	

Profile S and Profile T

		-H5A-D0					-H5A-DP		
2 MP	MP	5 MP	6 MP	8 MP	2 MP	4 MP	5 MP	6 MP	8 MP
	1/2.8"		1/1	.8"		1/2.8"		1/1	1.8"
132 dB	126 dB	126 dB	120) dB	132 dB	126 dB	126 dB	120) dB

Wide Dynamic Range					Yes					
Max. Image Rate					30 fps					
LightCatcher Technology					Yes					
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)
Environmental			_				IP66 / IP67 weather ra	ating, IK10 impact rati	ng	
Image Compression Technologies				H.265 HDSM Smar	rtCodec, H.264 HDSM	SmartCodec	, MJPEG			
Analytics Technologies				Nex	t-Generation Video Ar	alyitcs				

1/1.8"

120 dB

/	
Audio Compression Method	Opus, G.711 PCM 8 kHz
Audio Input/Output	Line level input/output
External I/O Terminals	Alarm in, alarm out

1/1.8"

120 dB

External Power	VDC: 12V, VAC: 24V
PoE	IEEE802.3af Class3 compliant

0.110.	
Unboard Storage	microSD/microSDHC/microSDXC slot — class 10/UHS-1 or better recommended

LENS OPTIONS () (Remote Zoom and Focus)

	Angle of View	34° – 99°	34° – 92°	-	34° – 99°	34° – 92°	-	34° – 99°	34° – 92°	-	34° – 99°	34° – 92°	-
3.3-9 mm F1.3, P-Iris	Minimum Illumination (color / monochrome)	0.027 lux / 0.014 lux	0.03 lux / 0.015 lux	-	0.027 lux / 0.014 lux	0.03 lux / 0.015 lux	-	0.027 lux / 0.014 lux	0.03 lux / 0.015 lux	-	0.027 lux / 0.014 lux	0.03 lux / 0.015 lux	-
4.9-8 mm	Angle of View	-		52° – 92°	-	_	52° – 92°		-	52° – 92°		-	52° – 92°
F1.8, P-Iris	Minimum Illumination (color / monochrome)	-		0.055 lux / 0.028 lux	-	-	0.055 lux / 0.028 lux		-	0.055 lux / 0.028 lux		-	0.055 lux / 0.028 lux
	Angle of View	14° -	- 31°	-	14° -	- 31°	-		14° – 31°	-		14° – 31°	_
9-22mm F1.6, P-Iris	Minimum Illumination (color / monochrome)	0.052 lux / 0.026 lux	0.058 lux / 0.029 lux	-	0.052 lux / 0.026 lux	0.058 lux / 0.029 lux	-	0.052 lux / 0.026 lux	0.058 lux 0.029 lux	_	0.052 lux / 0.026 lux	0.058 lux / 0.029 lux	-

H₅A

Model Name

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



H5A Box

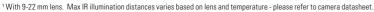


H5A Bullet			
– C-H5A-B0 <u>()</u> -I	R		

⊕.0C-H5A-B● —				- @.0C-H5A-BO()-IR				
2 MP	4 MP	6 MP	3 MP	2 MP	4 MP	5 MP	6 MP	8 MP
1/2	2.8"	1/1	1.8"		1/2.8"		1/1	.8"
132 dB	126 dB	120) dB	132 dB	126	3 dB	120	dB
				Yes				
				30 fps				
	Yes							
-			90m (295 ft) ¹ 50m (164 ft)			64 ft)		
– IP66 / IP67 weather rating, IK10 impact rating								
H.265 HDSM SmartCodec, H.264 HDSM SmartCodec, MJPEG								
Next-Generation Video Analyitcs								
Opus, G.711 PCM 8 kHz								
Line level input/output								
Alarm in, alarm out								
VDC: 12V, VAC: 24V								
IEEE802.3af Class 3 compliant								
Profile S and Profile T								
SD/SDHC/SDXC slot — class 10/UHS-1 or better recommended								
	1/2	2 MP 4 MP 1/2.8"	-	-	-	- G MP G M	■	—

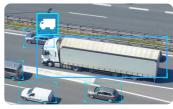
LENS OPTIONS³ ((Remote Zoom and Focus)

		, , , , , , , , , , , , , , , , , , , ,	-1						
	3.3-9 mm F1.3, P-Iris	Angle of View	34° – 99°	34° – 92°	_	34° – 99°	34° – 92°		_
2		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		-
	4.9-8 mm	Angle of View	ngle of View –		52° – 92°	_		52° – 92°	
2	F1.8, P-Iris	Minimum Illumination (color / monochrome)		-	0.055 lux / 0.028 lux	_			0.055 lux / 0 lux ²
	9-22 mm	Angle of View	-	14° – 31°	-		14° – 31°		-
3	F1.6, P-Iris	Minimum Illumination (color / monochrome)	-	0.058 lux / 0.029 lux	_	0.052 lux / 0 lux ²	0.058 lux	x / O lux²	_
	4.7-84.6 mm	Angle of View	4.1° – 60°			-	_		
0	F1.6, P-iris	Minimum Illumination (color / monochrome)	0.039 lux / 0.02 lux			-	-		



² With optional IR.





Expanded object classifications crowded scenes will help focus your











and more accurate detection in attention on the most important information needed to help you detect, verify and act faster.

³ Not all resolutions and lens combinations are valid. Please see product datasheet for details.

H5SL

Model Name

Part Number

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.

with Optional IR Illuminators

Image Sensor (progressive scan CMOS)

Resolution per Sensor (B)

Max. Dynamic Range

Wide Dynamic Range

LightCatcher Technology

Analytics Technologies

Max. IR Illumination Distance

Image Compression Technologies

Max. Image Rate

Environmental



H5SL Bullet

(3C-H5SL-B0()-IR

70 m (230 ft)1

3.0 MP

2.0 MP

30 fps

113 MP



H5SL Dome (Outdoor)

@C-H5SL-D01

@C-H5SL-D01-IR

1/2.8"

120 dB

Yes

Yes

5.0 MP

5.0 MP

25 fps

30 m (100 ft)1

3.0 MP

30 fps







(3C-H22T-D1-IK								
1.3 MP	2.0 MP	3.0 MP	5.0 MP					
	30 fps		25 fps					
ft) ¹								

H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG	

Unusual Motion Detection

IK10 impact rating, IP66 and IP67 weather rating

5.0 MP

25 fps

13 MP

Audio Compression Method Opus, G.711 PCM 8 kHz Audio Input/Output Line level input/output

External I/O Terminals Alarm in, alarm out

Power Source PoE: IEEE802.3af Class 3 compliant

Profile S and Profile T **ONVIF Compliance Onboard Storage** microSD/microSDHC/microSDXC slot

LENS OPTIONS (Remote Zoom and Focus)

LEITO OI HOITO G	nemote Zoom and rocus/						
3–9 mm,	Max. Angle of View ³			-	-	35° – 90°	_
1 F1.4	Minimum Illumination (color / monochrome)			-	-	O lux²	_
3.1–8.4 mm,	Max. Angle of View ³	34° – 91°		35° – 90°	35° – 90°	_	35° – 90°
F1.6	Minimum Illumination (color / monochrome)				0 lux²		
0.5. 21 mm	Max. Angle of View ³	_	10° – 32°	9.5° – 30°	-	-	
9.5–31 mm, F1.4	Minimum Illumination (color / monochrome)	- 0 lux²				-	

¹ Varies based on camera settings and lens option — refer to datasheet

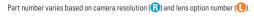












² With optional IR.

³ Based on aspect ratio — refer to datasheet.

H5M

Small and mighty, the H5M camera can handle tough environmental conditions while offering advanced Al technology for faster responses times and simple installation.



Model Name Part Number	H5M ③ .0C-H5M-D01-IR			
Resolution (B)	2 MP	5 MP		
Image Sensor (progressive scan CMOS)	1/2	.8"		
Max. Dynamic Range (dual exposure)	110	dB		
Wide Dynamic Range	Ye	es		
Max. Image Rate	30 fps	24 fps		
LightCatcher Technology	Yes			
Max. IR Illumination Distance (at 0 lux)	15 m	(50 ft)		
Environmental	-30 °C to +55 °C	(-22 °F to 131 °F)		
Image Compression Technologies	H.264 HDSM H.265 HDSM Smart(- · · · · · · · · · · · · · · · · · · ·		
Analytics Technologies	Unusual Moti	ion Detection		
External I/O Terminals	N	0		
Power Source	PoE: IEEE802.3af	Class 0 compliant		
ONVIF Compliance	Profile S ar	nd Profile T		
Onboard Storage	N	0		

LENS

2.8mm,	Angle of View	(16:9) 1920 × 1080	(4:3) 2592 × 1944
F1.2, IR Corrected	Minimum Illumination (color / monochrome)	0.04 lux / 0.02 lux	0.02 lux / 0.01 lux

H4 MINI DOME

Our smallest and most discreet camera, providing exceptional image quality for your indoor security needs at an entry-level price point.



Model Name	H4 Mini Dome
Part Number	@C-H4M-D1
with Optional IR Illuminators	®C-H4M-D1-I

with Optional IR Illuminators		GC-H4M-D1-IR			
Resolution (3)	1.3 MP	2 MP	3 MP		
Image Sensor (progressive scan CMOS)		1/2.8"			
Max. Dynamic Range		100 dB			
Wide Dynamic Range		No			
Max. Image Rate	30 fps 20 fps				
LightCatcher Technology	Yes				
Max. IR Illumination Distance (at 0 lux)		10 m (33 ft)			
Environmental		Indoor applications			
Image Compression Technologies	H.264 HD	SM SmartCodec, Mo	tion JPEG		
Analytics Technologies	Unusual Motion Detection				
External I/O Terminals	No				
Power Source	PoE: IEEE802.3af Class 2 compliant				
ONVIF Compliance	Profile S and Profile T				
Onboard Storage	-				

LENS

2.8mm, F1.2, IR Corrected	Angle of View (5:4 / 16:9 / 4:3)	74° / 110°	94° / 100° / 100°	
	Minimum Illumination (color / monochrome)	0.01 lux / 0 lux*	0.02 lux / 0 lux*	

^{*} With optional IR.





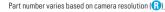












H4 MULTISENSOR

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.





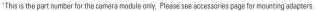
Model Name Part Number ¹			3-Sensor GC-H4A-3MH-		4-Sensor [®] C-H4A-4MH- [®]				
Resolution (3) (tot	al / per sensor)	9 MP / 3 MP	1 MP / 3 MP 1 MP / 5 MP 2 MP / 8 MP		(12 MP / 3 MP		32 MP / 8 MP		
Image Sensor (pr	ogressive scan CMOS)	1/2	.8"	1/2.5"	1/2	.8"	1/2.5"		
Max. Dynamic Ra	nge			100) dB				
Wide Dynamic Ra	ange			Ye	es				
Max. Image Rate	2		25 fps			20 fps			
LightCatcher Tecl	nnology	Yes							
Max. IR Illuminati	on Distance (at 0 lux)	30 m (98 ft)							
Environmental		IP66 weather rating, IK10 impact rating. Surface Mount and Pendant only.							
Image Compressi	on Technologies	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG							
Analytics Techno	logies	Self-learning video analytics							
Audio Compressi	on Method	G.711 PCM 8 kHz							
Audio Input/Outpo	ut	Line level input/output							
External I/O Term	inals	Alarm in, alarm out							
	External Power			24 VDC ± 10%; 24 VAC	rms \pm 10%, 50 or 60Hz				
Power Source ³	PoE		25.5W PoE+, IEEE 802.3at Type 2 PoE Plus With IR: 51W PoE++ ² Without IR: 25.5W PoE+, IEEE 802.3at Type 2 PoE Plus						
ONVIF Compliance	е	Profile S and Profile T							

LENS OPTIONS (Remote Zoom and Focus)

Onboard Storage

2.8 mm, F1.2	Total Coverage 🕒	270 °	_	360°	_
	Minimum Illumination (color / monochrome)	0.025 lux / 0.005 lux ⁴	_	0.025 lux / 0.005 lux	_
1 mm	Total Coverage 🕒	(180°		-	
4 mm, F1.6	Minimum Illumination (color / monochrome)	0.05 lux / 0.010 lux ⁴		-	
1 mm	Total Coverage 🕒	_	270°	_	360°
4 mm, F1.8	Minimum Illumination (color / monochrome)	-	0.2 lux / 0.04 lux ⁴	-	0.2 lux / 0.04 lux ⁴
5.2 mm,	Total Coverage 🕒	_	(180°	_	
F1.8	Minimum Illumination (color / monochrome)	_	0.2 lux / 0.04 lux ⁴	_	

MicroSD/microSDHC/microSDXC slot (class 10/UHS-1 or better recommended)



² Using High Frame Rate Mode. Image rate is affected by analytics settings — refer to camera datasheet.





270° Coverage



360° Coverage



Wide Sensor Angle













³ Compatible with matching Avigilon 60W Injector.

^{4 0} lux with optional IR illuminator.

H4 PTZ

Combines powerful, high-speed tracking with 360-degree coverage and up to 30x zoom for high-quality, detailed images.





Model Name Part Number			n-Ceiling PTZ-DC- ②	Indoor/Outdoor Pendant @.0C-H4PTZ-DP-			
Resolution (3)		1 MP	2 MP	1 MP	2 MP		
Image Sensor (progressive sc	an CMOS)		1/2	.8"			
Optical Zoom 🛭		45 x	30 x	45 x	30 x		
Pan			360°, endless	, 450°/second			
Tilt			-10° to 90°, e-Fl	ip, 360°/second			
Max. Dynamic F	Range		120-	+ dB			
Wide Dynamic I	Range		Ye	es			
Max. Image Rat	e		60	fps			
LightCatcher Te	chnology	Yes					
Max. IR Illumina (at 0 lux)	ation Distance	-					
Environmental		Indoor applications IP66/IP67 weather rating IK10 impact rating					
Image Compres	sion Technologies	H.264 HDSM SmartCodec, Motion JPEG					
Analytics Techr	nologies	Self-learning video analytics					
Audio Compres	sion Method	G.711 PCM 8 kHz					
Audio Input/Out	put	Line level input/output					
External I/O Ter	minals	Alarm in, alarm out					
Power Source	External Power		VDC: VAC:	24 V 24 V			
i owei source	PoE	IEEE 802.3at	Class 4 PoE+	IEEE 802.3at Class 4 PoE+; 60W PoE++1			
ONVIF Complian	псе	Profile S					
Onboard Storag	e	SD/SDHC/SDXC slot (minimum class 4, class 6 or better recommended)					

LENS (Remote Zoom and Focus)

4.3–129 mm, F1.6–F4.7, Autofocus	Angle of View	1.5° - 63.7°	2.3° - 63.7°	1.5° - 63.7°	2.3° - 63.7°
	Minimum Illumination (color / monochrome)		0.01 lux ,	/ 0.03 lux	

¹ Compatible with matching Avigilon 60W Injector.

H4 IR PTZ

Model Name

Part Number

Offers powerful zoom and IR technology to provide broad coverage and allow you to see up to 250 m (820 ft) in complete darkness.



H4 IR PTZ ①.0C-H4IRPTZ-DP② ②.0C-H4IRPTZ-DP②-WP

with option	nal wiper	@.OC-H4IRPTZ-DP@-WP				
Resolution (B		1 MP	2 MP			
Image Sensor (progressive scan CMOS)	1/2	.8"			
Optical Zoom 2		45 x	30 x			
Pan		360°, endless,	300°/second			
Tilt		-20° to 90°, Auto-Fli	p, 300°/second max			
Max. Dynamic I	Range	120-	- dB			
Wide Dynamic	Range	Ye	S			
Max. Image Rat	te	60 t	fps			
LightCatcher Te	chnology	Yes				
Max. IR Illumina	ation Distance (at 0 lux)	250 m (820 ft)				
Environmental		IP66 weather rating, IK10 impact rating				
Image Compres	ssion Technologies	H.264 HDSM SmartCodec, Motion JPEG				
Analytics Techr	nologies	Self-learning video analytics				
Audio Compres	sion Method	G.711 PCM 8 kHz				
Audio Input/Out	tput	Line level input/output				
External I/O Ter	minals	4 alarm in, 2	2 alarm out			
Power Source	External Power	VDC: VAC:	= : :			
	PoE	60W PoE++ or 90W PoE++1				
ONVIF Complian	nce	Profile S				
Onboard Storag	je	microSD/microSDHC/microSDXC slot				

LENS (Remote Zoom and Focus)

4.3–129 mm, F1.6–F4.7, Autofocus	Angle of View	1.5° – 63.7°	2.3° – 63.7°
	Minimum Illumination	01	ux

¹Power consumption depends on temperature requirements. Compatible with matching Avigilon 60W or 95W Injector.





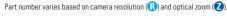












H4ES CAMERA LINE

Model Name

Combines HD imaging, self-learning video analytics, network video recorder functionality and embedded ACC™ software to create an all-in-one video security solution.



Outdoor Dome - Surface



Outdoor Dome - Pendant





avieirou	- (0)

Indoor/Outdoor Bullet	
3.0C-H4A-12G-B0 1 - IR	
@.0C-H4A-25G-B0@-IR	

Box 1 0C-H4A-12G-B1

MP	3 MP

Part Number	128 GB Onboard Storage or 256 GB Onboard Storage	1.0C	1.0C-H4A-12G-D01-IR						O-IR		0C-H4A-12G- 0C-H4A-25G-		
Resolution per Sensor (1)		1 MP	2 MP	3 MP	1 MP	2 MP	3 MP	1 MP	2 MP	3 MP	1 MP	2 MP	3 MP
Image Sensor (pro	ogressive scan CMOS)	n CMOS) 1/2.8"											
Max. Dynamic Rai	nge						120	0 dB					
Wide Dynamic Ra	nge						Υ	'es					
Max. Image Rate							30	fps1					
LightCatcher Tech	inology						Υ	'es					
Max. IR Illumination	on Distance (at 0 lux)			30 m	(98 ft)				70 m (230 ft) ²			-	
Environmental		IK10 impact rating, IP66 weather rating –											
Image Compression	H.264 HDSM SmartCodec, Motion JPEG												
Analytics Technol	ogies					Self-learnin	g video analytic	s, Unusual Motio	on Detection				
Audio Compressio	on Method						G.711 P	CM 8 kHz					
Audio Input/Outpu	ıt						Line level i	nput/output					
External I/O Termi	nals						Alarm In,	Alarm Out					
Power Source	External Power		VDC: 12 V VDC: 12 V VDC: 12 V VAC: 24 V VAC: 24 V VAC: 24 V										
	PoE	PoE: IEEE802.3af Class 3 compliant											
ONVIF Compliance	е						Profile S a	nd Profile T					
Onboard Storage	(Solid-State Drive)	128 GB	256 GB	256 GB	128 GB	256 GB	256 GB	128 GB	256 GB	256 GB	128 GB	256 GB	256 GB
LENS OPTIONS ((Remote Zoom and Focus)												
2 0 mm	Max. Angle of View	30° -	– 91°	32° – 98°	30° -	- 91°	32° – 98°	30° -	- 91°	32° – 98°		-	
3–9 mm, F1.3, P-Iris	Minimum Illumination (color / monochrome)	0	1.04 lux / 0.008 l	IX	0.	.04 lux / 0.008 lu	IX		0.04 lux / 0 lux			-	

LLIVO OI TIOIVO	(Heiliote Zoolli alla Focus)								
2 0 mm	Max. Angle of View	30° – 91°	32° – 98°	30° – 91°	32° – 98°	30° – 91°	32° – 98°	_	
3–9 mm, F1.3, P-Iris	Minimum Illumination (color / monochrome)	0.04 lux / 0.008 lu	JX	0.04 lux / 0.008 lu	IX	0.04 lux / 0 lux		-	
0 22 mm	Max. Angle of View		-					_	
9–22 mm, F1.6, P-Iris	Minimum Illumination (color / monochrome)	-				0.08 lux / 0 lux		-	
47 846 mm	Max. Angle of View			_				3.3° – 55°	3.5° – 59°
4.7–84.6 mm, F1.6, P-Iris	Minimum Illumination (color / monochrome)	_						0.08 lux / 0.016 lu	ıx



² With 9–22 mm lens. Max. IR illumination distance varies based on lens and temperature — please refer to camera datasheet.

H4 FISHEYE

Offers a high-resolution, 360-degree panoramic view with no blind spots. Easy to install and designed to provide broad coverage with fewer cameras.



Model Name Part Number		H4 Fisheye (3.0L-H4F-D01-IR		
Resolution (3)		6 MP	12 MP	
Image Sensor (progressive scan CMOS)	1/1.8"	1/2.3"	
Max. Dynamic I	Range	93 dB	81 dB	
Wide Dynamic	Range	No)	
Max. Image Rat	te ¹	30 fps	20 fps	
LightCatcher Te	chnology	Yes	No	
Max. IR Illumination Distance (at 0 lux)		10 m (32.8 ft)		
Environmental		IK10 impact rating ²		
Image Compres	sion Technologies	H.264 HDSM SmartCodec, Motion JPEG		
Analytics Techr	ologies	No		
Audio Compres	sion Method	G.711 8kHZ		
Audio Input/Out	put	Line level input/output and internal microphone (can be enabled)		
External I/O Ter	minals	Alarm in, alarm out		
Power Source	External Power	VDC:	12 V	
i owei soulce	PoE	PoE: IEEE 802.3af Class 3; PoE+: IEEE 802.3at Class 4		
ONVIF Compliance		Profile S and Profile T		
Onboard Storage		microSDHC/microSDXC/UHS-1 (minimum class 10 or better recommended)		

LENS

Fisheye,		180° hemisphere		
1.45 mm, F2.2	Minimum Illumination (color / monochrome)	0.13 lux / 0 lux	0.49 lux / 0 lux	

¹ Varies based on image compression—please refer to camera datasheet.

H4 LICENSE PLATE CAPTURE (LPC)

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



Model Name Part Number ¹		H4 LPC 3.0C-HD-LP-B1	
Resolution		3 MP	
Image Sensor (pr	ogressive scan CMOS)	1/2.8"	
Max. Dynamic Ra	nge	_	
Wide Dynamic Ra	nge	No	
Max. Image Rate		30 fps	
Maximum Capture	e Speed	100 km/h (62 mph)	
LightCatcher Tech	nnology	No	
Max. IR Illumination Distance (single lane / dual lane)		30 m (100 ft) / 14 m (46 ft)	
Environmental		IP66 weather rating ²	
Image Compressi	on Technologies	H.264 HDSM SmartCodec, Motion JPEG	
Analytics Techno	ogies	No	
Audio Compression	on Method	G.711 PCM 8 kHz	
Audio Input/Outpu	ıt	Line level input/output	
External I/O Termi	nals	Alarm in, alarm out	
Power Source	External Power	VDC: 12V VAC: 24V	
	PoE	IEEE802.3af Class 3 compliant	
ONVIF Compliance		Profile S	
Onboard Storage		SD/SDHC/SDXC slot (minimum class 4, class 6 or better recommended)	

LENS (Remote Zoom and Focus)

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

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





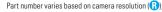












² Camera housing only.

² This is outdoor rated - the kit includes enclosure.

H4 THERMAL

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





Model Name Part Number		320S-H4A-THC- B050	H4 Thermal QVGA 320S-H4A-THC- B024	320S-H4A-THC- B012	640S-H4A-THC- B050	H4 Thermal VGA 640S-H4A-THC- B024	640S-H4A-THC- B012 ¹
Resolution			320x256 ²			640x512 ³	
Sensitivity				NETD	<60mK		
Image Senso	r			Uncooled VOx	Microbolometer		
Dynamic Ran	ge			-40 °C to 225 °C	(-40 °F to 437 °F) ⁴		
Max. Image Rate				8.6	G fps		
Operating Temperature Range		-40 °C to +65 °C (-40 °F to 149 °F)					
Environmenta	ıl	IP6	66 weather rating, IK10 impact ra	ting	IP66 and	d IP67 weather rating, IK10 impa	ct rating ⁵
Image Compr	ession Technologies	H.264 HDSM SmartCodec, Motion JPEG					
Analytics Tec	hnologies	Self-learning video analytics					
Audio Compre	ession Method	G.711 PCM 8kHz					
Audio Input/C	lutput	Line level input/output					
External I/O T	erminals	Alarm in, alarm out					
Power	External Power		VDC: 12V VAC: 24V			VDC: 12V VAC: 24V	
Source	PoE	IEEE802.3af Class 3 compliant					
ONVIF Compl	iance	Profile S and Profile T Profile S					
Onboard Stor	age		SD,	/SDHC/SDXC slot (minimum cla	ss 4, class 6 or better recommen	ded)	

LENC OPTIONS

LENS OPTIONS	8						
4.3 mm,	Angle of View	45.9°			_		
F1.0, Athermalized	Classified Object Detection Range	Humar	n: 68 m (224 ft) Vehicle: 80 m (2	263 ft) ⁶		-	
9.1 mm,	Angle of View	_	21.6°		_	-	
F1.0, Athermalized	Classified Object Detection Range	Human:	150 m (493 ft) Vehicle: 160 m	(525 ft) ⁶		-	
8.7 mm,	Angle of View		-		50.7°	-	-
F1.0, Athermalized	Classified Object Detection Range	-			Human:	120 m (394 ft) Vehicle: 142 m	(466 ft) ⁶
18.0 mm,	Angle of View		-	10.8°	_	24.3°	_
F1.0, Athermalized	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,	Angle of View			_			12.2°
F1.0, Athermalized	Classified Object Detection Range		-		Human: 3	10 m (1017 ft) Vehicle: 319 m	(1047 ft) ⁶

¹ Image shows this model.



⁴ May vary based on operating temperature.

² Can be scaled up to 640x512. ³ Can be scaled down to 320x256.

⁶ Detection ranges may vary in different weather conditions.

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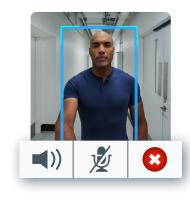
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H4 VIDEO INTERCOM

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



Model Name Part Number		H4 Video Intercom 3.0C-H4VI-R01-IR	
Resolution		3 MP	
Image Sensor (progressive	scan CMOS)	1/2.8"	
Max. Dynamic Range		120 dB	
Wide Dynamic Range		Yes	
Max. Image Rate		30 fps	
LightCatcher Technology		Yes	
Max. IR Illumination Distance (at 0 lux)		5 m (15 ft)	
Environmental		IP66 weather rating, IK10 impact rating ¹	
Image Compression Techno	ologies	H.264 HDSM SmartCodec, Motion JPEG	
Analytics Technologies		Appearance Search™ technology	
Audio Compression Method	I	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	
Power Source Exte	ernal Power	VDC: 12V	
PoE		IEEE802.3af Class 3 compliant	
ONVIF Compliance		Profile S	
Onboard Storage		microSD/microSDHC/microSDXC slot	



Enables operators to monitor and control access at entry points through two-way audio communication, video verification, and the ability to send a door grant through Avigilon Control Center™ software.

LENS

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

¹ IK08 Impact Rating on bubble.

H4 PRO

Features ultra-high resolution, wide area coverage and powerful zoom to enhance situational awareness and provide superior evidentiary detail during investigations.



Model Name Part Number		4K H4 Pro 8L-H4PRO-B	4.5K H4 Pro 12L-H4PRO-B	5K H4 Pro 16L-H4PRO-B	6K H4 Pro 24L-H4PRO-B	7K H4 Pro 30L-H4PRO-B
Resolution		8 MP (4K)	12 MP (4.5K)	16 MP (5K)	24 MP (6K)	30 MP (7K)
Image Sensor (progress	sive scan CMOS)		27.2 mm (Type 1.8)		43.3 mm	(Type 2.7)
Max. Dynamic Range				70 dB		
Wide Dynamic Range				No		
Max. Image Rate		12 f	ps	10 fps	8 fps	6 fps
LightCatcher Technolog	JY			Yes		
Max. IR Illumination Dis	stance			-		
Minimum Illumination		0.005 lux*				
Environmental		Refer to available enclosure options.				
Image Compression Tec	chnologies	H.264 HDSM SmartCodec, Motion JPEG				
Analytics Technologies		Self-learning video analytics			N	lo
Audio Compression Me	thod			G.711 PCM 8 kHz		
Audio Input/Output				Line level input/output		
External I/O Terminals				Alarm in, alarm out		
Power Source	xternal Power	VDC: 12 V VAC: 24 V				
P	oE	IEEE802.3af Class 3 compliant				
ONVIF Compliance		Profile S No			lo	
Onboard Storage		SD/SDHC/SDXC slot				

^{*} At F1.4.















H4 PRO CAMERA LINE LENS OPTIONS

4K, 4.5K AND 5K MODELS

Part Number	Description
LEF2414CA	Canon 24mm F1.4L, Auto-Iris
LEF2818CA	Canon 28mm F1.8, Auto-Iris
LEFS3014SI*	Sigma 30mm F1.4, Auto-Iris
LEF3514CA	Canon 35mm F1.4L, Auto-Iris
LEF4028CA	Canon 40mm F2.8, Auto-Iris
LEF5012CA*	Canon 50mm F1.2L, Auto-Iris
LEF5014CA	Canon 50mm F1.4, Auto-Iris
LEF5018CA2	Canon 50mm F1.8, Auto-Iris
LEF8512CA	Canon 85mm F1.2L, Auto-Iris
LEF8518CA	Canon 85mm F1.8, Auto-Iris
LEF10020CA	Canon 100mm F2.0, Auto-Iris
LEF20028CA	Canon 200mm F2.8L, Auto-Iris
LEFS111628TO	Tokina 11-16mm F2.8, Auto-Iris, Vari Focal
LEFS183518SI	Sigma 18-35mm F1.8, Auto-Iris, Vari Focal
LEF247028TA	Tamron 24-70mm F2.8, Auto-Iris, Vari Focal, with Vibration Control
LEF7020028CA	Canon 70-200mm F2.8L, Auto-Iris, Vari Focal
LEF7030040CA	Canon 70-300mm F4-5.6 IS, Auto-Iris, Vari Focal, with image stabilization
LEF7030040CA2	Canon 70-300mm F4-5.6L IS Auto-Iris, Vari Focal, with image stabilization
LEF163528CA2*	Canon 16-35mm F2.8L III, Auto-Iris, Vari Focal
LEF10040045CA2*	Canon 100-400mm F4.5-5.6L IS II, Auto-Iris, Vari Focal, with image stabilization

^{*} Lenses require AUX power.

6K AND 7K MODELS

Part Number	Description
LEF2414CA	Canon 24mm F1.4L, Auto-Iris
LEF2818CA	Canon 28mm F1.8, Auto-Iris
LEF3514CA	Canon 35mm F1.4L, Auto-Iris
LEF4028CA	Canon 40mm F2.8, Auto-Iris
LEF5012CA*	Canon 50mm F1.2L, Auto-Iris
LEF5014CA	Canon 50mm F1.4, Auto-Iris
LEF5018CA2	Canon 50mm F1.8, Auto-Iris
LEF8512CA	Canon 85mm F1.2L, Auto-Iris
LEF8518CA	Canon 85mm F1.8, Auto-Iris
LEF10020CA	Canon 100mm F2.0, Auto-Iris
LEF20028CA	Canon 200mm F2.8L, Auto-Iris
LEF163528CA2*	Canon 16-35mm F2.8L III, Auto-Iris, Vari Focal
LEF247028TA	Tamron 24-70mm F2.8, Auto-Iris, Vari Focal, with Vibration Control
LEF7020028CA	Canon 70-200mm F2.8L, Auto-Iris, Vari Focal
LEF7030040CA	Canon 70-300mm F4-5.6 IS, Auto-Iris, Vari Focal, with image stabilization
LEF7030040CA2	Canon 70-300mm F4-5.6L IS Auto-Iris, Vari Focal, with image stabilization
LEF10040045CA2*	Canon 100-400mm F4.5-5.6L IS II, Auto-Iris, Vari Focal, with image stabilization

^{*} Lenses require AUX power.















ACCESSORIES

Part Number

H4A-DD-CLER1

H4A-DC-CLER1

H4A-D0-CLER1

H4A-DP-CLER1

H4A-DD-CLER1-BL* H4A-DC-CLER1-BL* H4A-DD-SMOK1

H4A-DC-SMOK1

H4A-D0-SM0K1 H4A-DP-SMOK1 H4A-DD-SMOK1-BL*

H4A-DC-CPNL1

H4A-DD-SDWL1

H4A-MT-NPTA1

H4A-MT-WALL1

H4-MT-CRNR1

H4-MT-POLE1

POE-INJ2-STD

H4-AC-WIFI1-NA

H4-AC-WIFI2-EU

H5A DOME CAMERAS

Clear dome bubble

Smoke dome bubble

Metal ceiling panel

Indoor dome camera sidewall

knockout plug, pack of 5 Pendant NPT mount

Pendant wall arm mount

Corner mount adapter

Pole mount adapter

USB WiFi adapter

PoE injector

* Black variant.

Type

Part Number

H5M-MT-DCIL1

H5M-D0-BZL1



















H4 MINI DOME CAMERA

Package of 4 camera shroud

H5M CAMERA

In-ceiling mount

replacement parts

Type

Туре	Part Number
Package of 5 black surface mount bezels	H4M-BZL-BL1
Grey in-ceiling mount adapter	H4M-MT-DCIL1
Black in-ceiling mount adapter	H4M-MT-DCIL1-BL
Grey pendant mount adapter	H4M-MT-NPTA1
Black pendant mount adapter	H4M-MT-NPTA1-BL
PoE injector	POE-INJ2-STD

H4SL & H5SL DOME CAMERAS

Туре	Part Number
In-ceiling mount	H4SL-MT-DCIL1
NPT adapter	H4SL-MT-NPTA1
Pendant wall arm	CM-MT-WALL1
USB WiFi adapter	H4-AC-WIFI1-NA
	H4-AC-WIFI2-EU
Corner amount adapter	H4-MT-CRNR1
Pole mount adapter	H4-MT-POLE1
Junction box	H4-B0-JB0X1
PoE injector	POE-INJ2-STD

H5A BULLET & H4 THERMAL CAMERAS

Туре	Part Number
Junction box	H4-B0-JB0X1
Corner mount adapter	H4-MT-CRNR1
Pole mount adapter	H4-MT-POLE1
PoE injector	POE-INJ2-STD
USB WiFi adapter	H4-AC-WIFI1-NA
OSD VVIFI duaptei	H4-AC-WIFI2-EU

H5A BOX CAMERAS

Туре	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 module1	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 mount2	ES-HD-MNT-ARM

¹Compatible with ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG, ES-HD-CWS-LG.

H4 FISHEYE CAMERA

Туре	Part Number
NPT adapter	H4F-MT-NPTA1
Pendant wall arm	CM-MT-WALL1
Corner mount adapter	H4-MT-CRNR1
Pole mount adapter	H4-MT-POLE1
PoE injector	POE-INJ2-STD

H4 VIDEO INTERCOM

Туре	Part Number
Surface mount adapter	H4VI-MT-SURF1
Safety relay	H4VI-AC-RELY1
PoE injector	POE-INJ2-STD

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

ACCESSORIES

Part Number

H4AMH-AD-PEND1

H4AMH-D0-C0VR1 or

H4AMH-D0-C0VR1-SM0KE

IRPTZ-MNT-WALL1

Optional, H4AMH-AD-IRIL1

H4AMH-AD-PEND1

H4AMH-D0-C0VR1 or

H4AMH-D0-C0VR1-SM0KE

IRPTZ-MNT-NPTA1

Optional, H4AMH-AD-IRIL1

H4AMH-AD-CEIL1

H4AMH-DC-COVR1 or

H4AMH-DC-COVR1-SMOKE

Optional, H4AMH-DC-CPNL1

if ceiling panel needed H4AMH-AD-D0ME1

H4AMH-D0-C0VR1 or H4AMH-D0-COVR1-SMOKE

Optional, H4AMH-AD-IRIL1 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

> > H4-MT-POLE1

H4-MT-CRNR1 ES-PS-S4 ES-PS-MNT-POLE1

> POE-INJ2-60W POE-INJ2-PLUS

H4 MULTISENSOR CAMERA

Type

Pendant wall mount

NPT mount

(Order one of each of)

(Order one of each of)

In-ceiling mount

Surface mount

Camera modules

Pole mount adapter

Optional injectors and switches

Corner mount adapter

(Order one of each of)

(Order one of each of)

























ES-HD-MNT-WBLA



Part Number

ES-HD-HWS-LG

ES-HD-CWS-LG

ES-HD-HS-XL

ES-HD-IPM

ES-HD-MNT-POLE-LG

ES-HD-MNT-POLE-MD

ES-HD-MNT-ARM

H4 PRO CAMERAS

Large format enclosure

Extra large format enclosure

Optional PoE+ power module1

80mm (3 in) to 150mm (5.9 in)

Ceiling arm mount²

Ball joint mount³

Large format enclosure with vented

Large pole mount for pole diameter

Medium pole mount for pole diameter

² Compatible with ES-HD-HWS-SM, ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG and ES-HD-

210mm (8.2 in) to 225mm (8.85 in)

Type

H4 LPC CAMERA

Туре	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

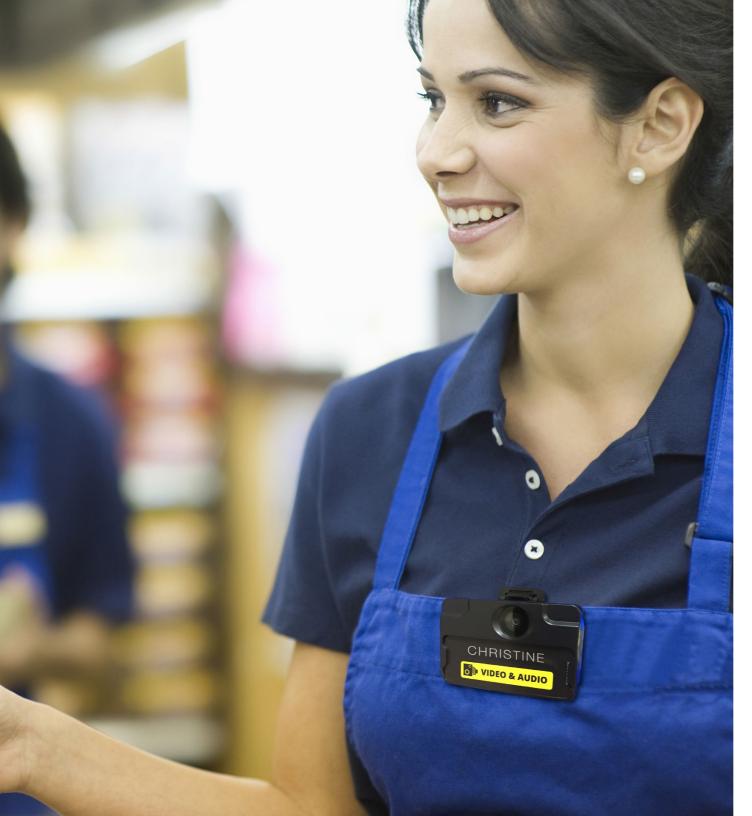
H4 PTZ CAMERA

Туре	Part Number
Clear dome bubble	PTZMH-DC-CLER1
	PTZMH-DP-CLER1
Smoked dome bubble	PTZMH-DC-SMOK1
	PTZMH-DP-SMOK1
Metal ceiling panel	PTZMH-DC-CPNL1
Pendant wall mount	CM-MT-WALL1
Corner mount adapter	H4-MT-CRNR1
Pole mount adapter	H4-MT-POLE1
60 W PoE injector	POE-INJ2-60W

H4 IR PTZ CAMERA

Туре	Part Number
Pendant wall mount	IRPTZMH-MT-WALL1
	IRPTZ-MNT-NPTA1
NPT adapter	H4-MT-CRNR1
	H4MT-POLE1

³ Compatible with ES-HD-HS-XL.





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.

















VIDEOTAG VT-100

Designed to complement your current security function, providing additional body-worn protection to staff throughout any organization.



Model Name Part Number		VT-100 VT-100-N
	Dimensions	80mm x 51mm x 22mm
	Weight	72g, plus mounting
Features	Charging	Up to five hours from fully flat battery
	GPS	No
	Bluetooth	No
	RFID Assignment	Yes
	Recording Storage	16GB
	Recording Time	Up to three hours
	Battery On Standby	Six months
	Battery Type	Lithium-lon
Video	Horizontal Field of View	130 degrees
	Pre-Record	No
	Peer-Assisted Recording	No
	Holster Sensor	No
Security	Storage Media	Internal solid state
Security	Access	Sealed unit, no user access to storage media or battery
	WiFi Specification	802.11 ac/a/b/g/n (2.4GHz &5GHz)
WiFi	WiFi Security	WPA2-PSK, WPA2-EAP-PEAP (user pass), WPA2-EAP-TLS (certificate)
	WiFi Streaming	RTSP, 640x268p (SD) 700kbps, 64kps audio with digest or open authentication
Certification	EMC	Yes
	FCC	Yes
	CE	Yes
	Environmental	IP65 weather rating

VIDEOBADGE VB-400

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



VB-400
VB-400-64- ⊕ -N

Model Name Part Number		VB-400 VB-400-64- ⊕ -N
	Dimensions	68mm x 89mm x 25mm
	Weight	160g, plus mounting
Features	Charging	Up to eight hours from fully flat battery
i eatures	GPS	Internal GPS receiver
	Bluetooth	BT 2.1 + EDR, BLE 4.2
	RFID Assignment	Yes
	Recording Storage	64GB
	Recording Time	Up to 12 hours
	Battery On Standby	48 hours
Video	Battery Type	Lithium-Polymer
Video	Horizontal Field of View	120 degrees
	Pre-Record	Configurable up to 2 minutes
	Peer-Assisted Recording	Within 32.8ft (10m) of another device
	Holster Sensor	Yes
	Storage Media	Internal solid state
Security	Access	Sealed unit, no user access to storage media or battery
	WiFi Specification	802.11 ac/a/b/g/n (2.4GHz &5GHz)
WiFi	WiFi Security	WPA2-PSK, WPA2-EAP-PEAP (user pass), WPA2-EAP-TLS (certificate)
	WiFi Streaming	RTSP, 640x268p (SD) 700kbps, 64kps audio with digest or open authentication
Certification	EMC	Yes
	FCC	Yes
	CE	Yes
	Environmental	IP67 weather rating

FIXING AND MOUNT OPTIONS ()

OR	Quick Release Fixing	Suitable for attaching to the quick release fixing options
KF	Klick Fast Harness	Suitable for directly attaching to the klick fast fixing options
VF	Close-Fit Mount	Suitable for attaching to the close fit mount options
ALIG	Alligator Clip	Comes with a factory fitted alligator clip

















CAMERA DOCKS

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



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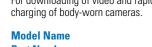
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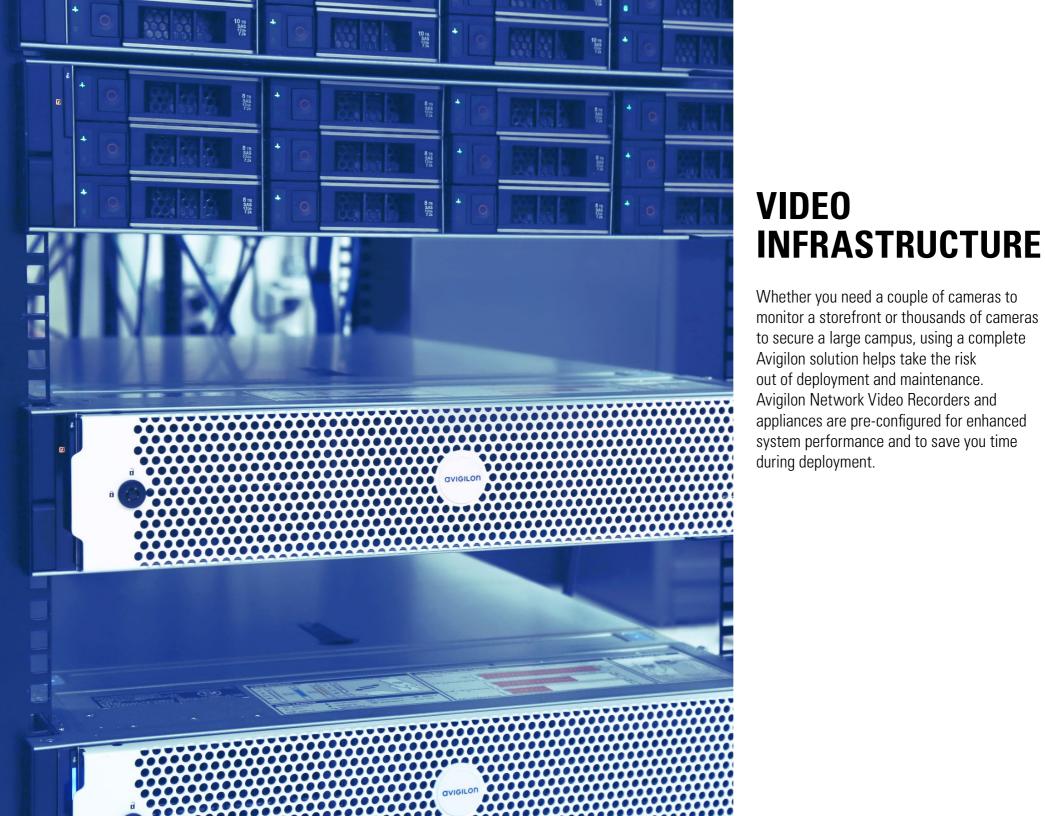




Model Name Part Number	VT-100 1-Port Dock VT-100-SOLO	VT-100 14-Port Dock VT-100-DOCK14 ¹	VB-400 1-Port Dock VB-400-DOCK-SOLO	VB-400 14-Port Dock VB-400-DOCK14 ²
Dimensions	90mm (W) x 75mm (H) x 40mm (D)	200mm (W) x 38mm (H) x 436mm (D)	90mm (W) x 75mm (H) x 40mm (D)	200mm (W) x 38mm (H) x 436mm (D)
Weight	244g	2.2kg	244g	2.2kg
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	Up to five hours from a fully flat battery	Up to five hours from a fully flat battery	Up to eight hours from a fully flat battery	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)

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.

















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 and appliances are pre-configured for enhanced system performance and to save you time during deployment.

NETWORK VIDEO RECORDERS (NVRS)

All models come with high-performance recording technology, a three-year Avigilon warranty with dedicated support and added features for your security needs.









Model Name Part Number		NVR Wor				Value AL- @ TB				tandard -STD- @ TB		NVR Premium HD-NVR4-PRM-⊕TB				
	Total Capacity 😉	4 TB	8 TB	6 ТВ	12 TB	1 В ТВ	24 TB	1 В ТВ	24 TB	32 TB	48 TB	64 TB	96 TB	128 TB	157 TB	192 TB
Storage Redunda Video Da (number	Configuration	1 x 3.5	i" HDD	4 x 3.5	" HDD	3 x 3.5" HDD	4 x 3.5" HDD	6 x 3.5" HDD	8 x 3.5" HDD	6 x 3.5" HDD	8 x 3.5" HDD	18 x 3.5" HDD	14 x 3.5" HDD		18 x 3.5" HD[)
	Redundancy	-	-		RA	ID 5					RA	ID 6				RAID 60
	Video Data (number of hot- swappable HDDs)	1	1	4 3 4 6 8		8	6	8	18	14	18					
OS Volume	Configuration	1 x M.	2 SSD	1 x Virtual Disk		2 x M.2 SSD										
03 volume	Redundancy	_	_	RAID 5			RAID 1									
Network Interface		2 x 1	GbE	2 x 1 GbE, 2 x 10 GbE (optional)		nal)	4 x 1 GbE, 2 x 10 GbE (optional)			nal)	2 x 1 GbE, 2 x 10 GbE					
Max.	1 GbE	120 N	Mbps	300 Mbps			Up to 700 Mbps (max. 250 Mbps per connection)					600 Mbps				
Recording Rate	10 GbE1	-	-	-			– Up to 1500 Mbps (r				nax. 1250 Mb	ps per conne	ction)			
	Requirements	_	-			prise license tics Kit		ACC Enterprise license								
Avigilon Appearance Search™ Technology	Number of Supported Avigilon Analytics- Enabled Cameras	_	-	35			80				100					
Form Factor	Small Form Factor 1U rack mount 2U rack mount		2U rack moun	t												
Redundant Power Supply	У	-	-				Opti	onal						Included		
Local Viewing		mDP/DF	P/HDMI							No						

¹ Optional for the NVR Value and NVR Standard.











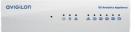




ACC ES RECORDERS AND APPLIANCES

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.







Model Name Part Number	ACC ES HD Recorder VMA-RPO-4P⊕		-	tics Appliance PA-4P @	ACC ES 8-Port Appliance VMA-ENVR1-8P⊕		
Storage Capacity 🕒	2 TB	4 TB	② TB ③ TB		④ TB	8 TB	
Number of Channels Included ¹	4			6	8		
Max. Recording Rate		80 N	120 Mbps				
Analytics Support	No		Yes ²		No		
Form Factor	Small form factor, optional rack mount						
Embedded Network Switch		4 p	orts		8 pc	orts	

¹ More channels can be added.

HD VIDEO APPLIANCES

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

and maintenance.	zy omipmynig dopicymone	****								
Model Name Part Number		HD Video Appliance VMA-AS3-8P⊕				HD Video Appliance Pro VMA-AS3-16P⊕ VM			VMA-AS3-24P⊕	
	Total Capacity 🕒	2 TB	₫ TB	TB	6 TB	9 TB	12 TB	12 TB	13 TB	24 TB
Storage	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										
Embedded Network Switch 8 ports			16 ports 24 ports							



² Supports Avigilon cameras with built-in video analytics.

AVIGILON AI APPLIANCE

Adds patented self-learning video analytics and Avigilon Appearance Search™ technology to almost any IP camera, when connected to ACC software.



Model Name Part Number	Al Appliance VMA-AIA1-CG1 VMA-AIA1-CG2				
Number of Channels Included	30	60			
Form Factor	2U rack mount				
Redundancy	Optional redundant PSU				
Local Monitor Output Support	ı	No			
Embedded Network Switch	No				

REMOTE MONITORING WORKSTATIONS

An easy way to add high-resolution monitoring stations to existing systems. Select either a twoor four-monitor workstation, pre-loaded with ACC software.



Model Name Part Number	2-Monitor RM5-WKS-2MN	4-Monitor RM5-WKS-4MN		
Max. Resolution	8 MP (4K)			
Number of Supported Streams	72	144		
Form Factor	Small Form Factor			
Number of Supported Displays	2 x mDP/DP/HMDI	4 x mDP/DP/HMDI		
Storage for Exports	500	GB		

AVIGILON VIDEO ARCHIVE

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



Model Name	Avigilon Video Archive								
Part Number		AVA-HED1-@TB1			AVA-EXP1-@TB1				
Storage Capacity (6	225 TB	789 TB							
Form Factor		5U							
Max. Recording Rate		Can support up to 4 Avigilon NVRs							
Redundancy		Erasure coding							
Connectivity			iSO	CSI					

¹ Head units house the controllers that connect directly with up to 4 NVRs. Expansion units need to be installed in the same rack and connected to Head units to expand the capacity to 1.5PB.





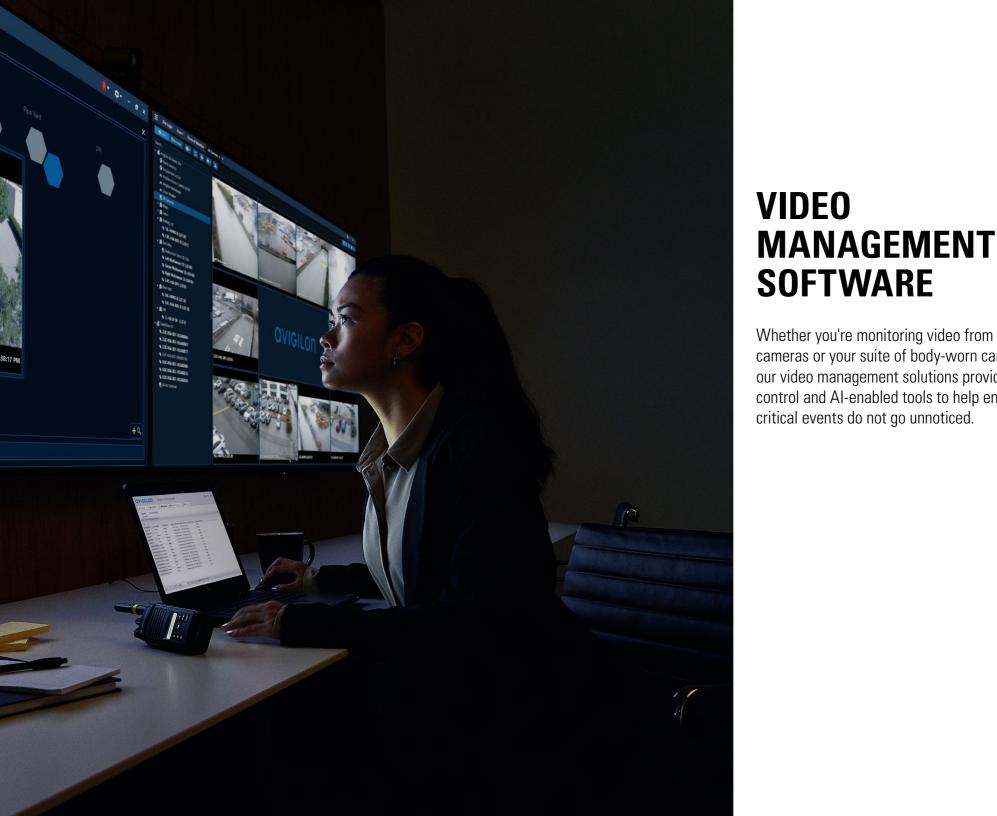




























ACC 7 SOFTWARE

Powerful software doesn't have to be complicated. ACC software leverages Al technology to give you control over your video security and focus your attention on what matters most.



Model Name	Core	Standard	Enterprise
Cameras/Server	24	75	>300*
Servers/Site	1	1	>100*
Client Connections per Server	2	10	Unlimited
Rule Triggers	0	51	Unlimited
Avigilon Presence Detector™ Event Trigger	No	Y	es
Self-Learning Video Analytics Event Configuration	No	Y	es
ACM™ Identity Verification	No	Y	es
ACM Identity Search	No	Y	es
ACM Remote Door Access Grants	No	Y	es
Focus of Attention Interface	N	No	Yes
Al Appliance Support	N	No	Yes
H4 Pro Camera Support	N	No	Yes
Alarm Search	N	No	Yes
Avigilon Appearance Search Technology	N	No	Yes
License Plate Event Search	N	No	Yes
Blurred Export	N	No	Yes
Failover Connections	N	No	Yes

Supports Avigilon fixed cameras and sensors as well as other ONVIF-compliant devices.

STANDARD FEATURES

- Automatic device discovery
- Support for third-party ONVIF® compliant cameras and encoders
- Support for H.265, H.264, MPEG4, MJPEG and JPEG2000 video compression
- ACC Mobile application
- Recording schedules
- Light and dark user interface themes to suit different viewing environments
- Video analytics overlays
- UMD timeline filtering with Skip Play
- Intelligent Motion, thumbnail and event search
- Two-factor authentication
- Two-person authenticated recorded video viewing



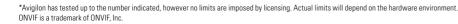












VIDEOMANAGER SOFTWARE

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



	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.
Workflow Control	Permissions Overview	Administrators can see permissions associated with a user, and how they got those permissions.
	Priviledge Escalation	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.
	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.
Security	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.
Incident Bulk Edit		Large numbers of incidents can be instantaneously deleted and added to incident collections.
	Device Bulk Edit	Large numbers of devices can be instantaneously assigned and upgraded.
Scalability	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 acitivity 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
Specifications	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)

Supports VideoTag and VideoBadge body-worn cameras.

STANDARD FEATURES

Connectivity

- Integrates with ACC video management software.
- Can be enabled as a Central VideoManager, to which other instances of VideoManager ("sites") can be connected.
- VT-100 and VB-400 cameras can stream directly to a cloud service of VideoManager while downloading footage to an on premise instance of VideoManager.
- Connect VideoManager to CommandCentral Vault, for footage storage and correlation with other CommandCentral Suite applications.*

Evidence Preparation

- Group footage and other important media in an incident for ease of view.
- 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 VT-100 or VB-400 can be imported to VideoManager and added to incidents.





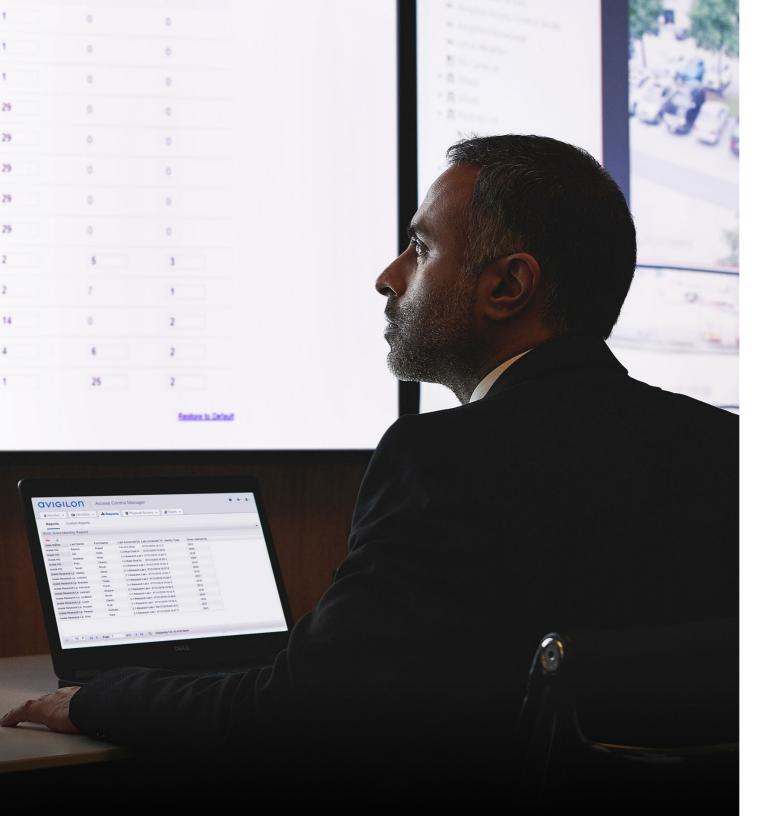














The Access Control Manager (ACM) system is a physical access control system for enterprise-class installations, designed to help you focus on securing your people, property and assets, while giving you the flexibility to respond to alerts wherever you are.

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 SYSTEM

Edition Part Number	Professional AC-APP-@R-PR0-6	Enterprise AC-APP-@R-ENT2-6	Enterprise PLUS AC-APP-@R-ENT- PLUS-6	Virtual AC-APP-⊕R-VM-6-P	
Appliance Type	Small form factor, desktop	1U rack mo	unt chassis	VMware vSphere® ESX(i) 6.5+1	
Max. Number of Card Readers	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® G5400 (4 MB cache, 2C/4T, 65 W)	3.0 GHz Intel Xeon® E3-1220 v5 (8 MB cache, 4C/4T, Turbo, 80 W)	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)	4 GB (1 x 4 GB) (2133 MT/s ECCUDIMM)	32 GB (2 x 16 GB) (2400 MT/s DDR4 UDIMMs)	32 GB¹	
Network Interface	1 Gigabit Ethernet Intel	1 Gigabit Etherne	et Broadcom 5720	1 Gigabit Ethernet ¹	
Replication	No		Yes		
Hot Standby Auto Failover	No		Yes		
RAID & Hot-Swap Components	N	0	Yes	No	

LICENSE OPTIONS

Max. Number of Card Readers Supported per License ()	16 readers 32 readers	16 readers 32 readers 64 readers 128 readers 256 readers 400 readers	16 readers 256 readers 512 readers 1024 readers 2048 readers	16 readers 32 readers 64 readers 123 readers 256 readers 512 readers 1024 readers 2048 readers
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¹ System recommendations

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 reader 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)
- Support for Mercury Security large encoded card formats
- Biometric integrations
- Graphic maps and muster dashboard
- Photo import/export
- Alarm management and acknowledgment
- Badging
- Multi-language
- System configuration templates for doors, wiring, input, output and readers, to enable quick Batch Add setup
- Mercury Security panel certificates for added security











KNOW WHAT IS HAPPENING. ACT WITH CERTAINTY.



Glasfaser/FTTx Wireless Verkabelung Aktive Komponenten IP -Videoüberwachung

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