

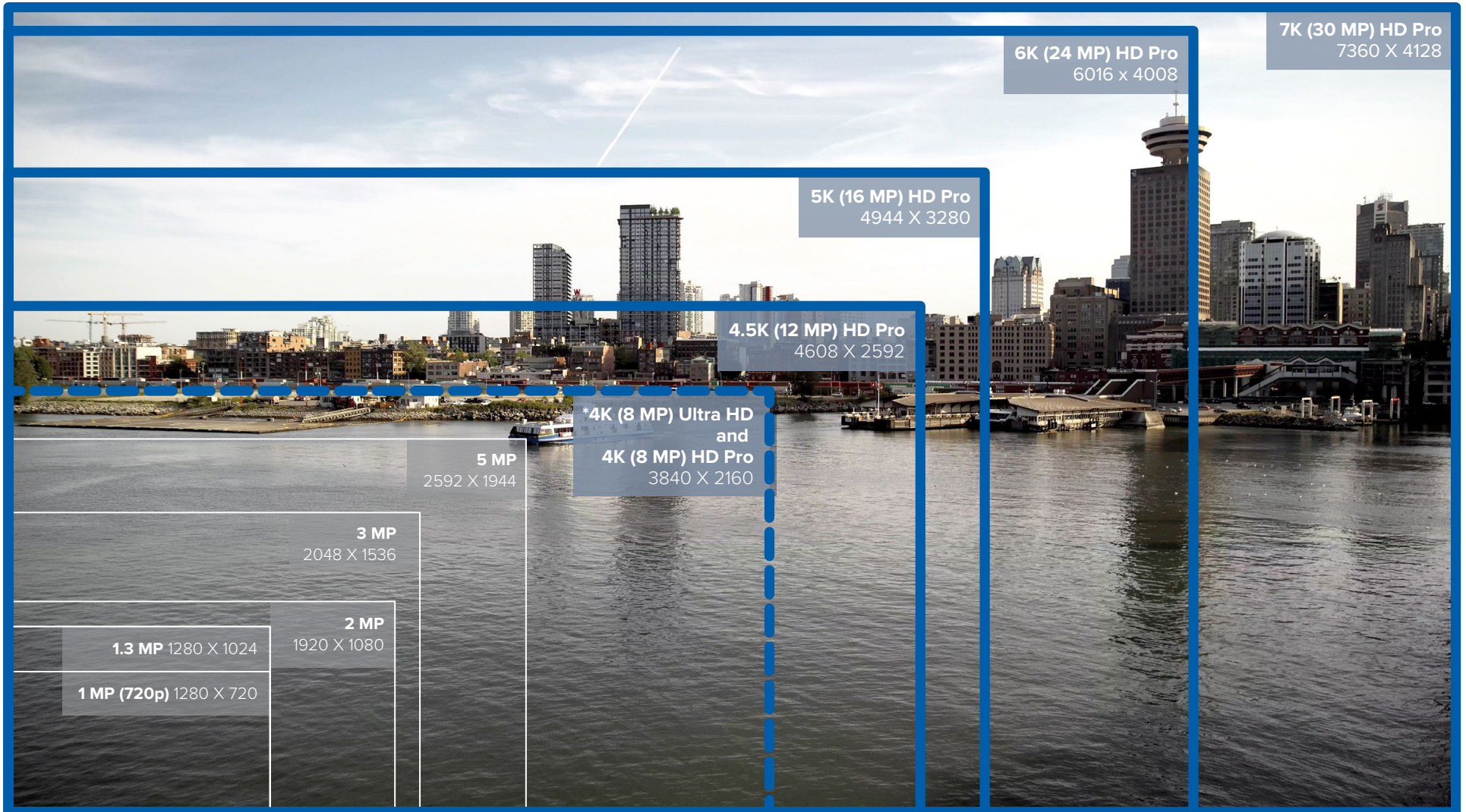
Cameras

Quick Selection Guide

Contents

Resolution Comparison Chart	3
HD Pro Camera Line	4
H4 Camera Line, Dome Models	5
H4 Camera Line, Fixed-Body and Bullet Models	6
H4 Edge Solution (ES) Camera Line	7
H4 Fisheye Camera Line	8
H4 PTZ Camera Line	9
H4 IR PTZ Camera Line	10
H4 Mini Dome Camera Line	11
H4 SL Camera Line	12
H4 Thermal Camera Line	13
H4 Video Intercom	14
H4 License Plate Capture (LPC) Camera	15
H4 Multisensor Camera Line	16
HD Multisensor Camera Line	17
Accessories	18

Avigilon offers a broad range of high-definition cameras – from 1 MP to 5 MP and 4K to 7K (based on horizontal resolution) – that are available in a variety of formats, including dome, bullet and fixed.



H4 SL Camera Line

*H4 Camera Line
H4 SL Camera Line, HD Micro Dome Camera Line,
H4 PTZ Camera Line, H4 Mini Dome Camera Line

Avigilon H4 Pro Cameras
4K (8 MP), 4.5K (12 MP), 5K (16 MP), 6K (24 MP) and 7K (30 MP)

HD Pro Camera Line



8L-H4PRO-B



12L-H4PRO-B



16L-H4PRO-B



24L-H4PRO-B



30L-H4PRO-B

Resolution	4K (8 MP) / 3840 x 2160	4.5K (12 MP) / 4608 x 2592	5K (16 MP) / 4944 x 3280	6K (24 MP) / 6016 x 4008	7K (30 MP) / 7360 x 4128
Imaging Area	1.07" CMOS Progressive Scan	1.07" CMOS Progressive Scan	1.12" CMOS Progressive Scan	1.7" CMOS Progressive Scan	1.62" CMOS Progressive Scan
Wide Dynamic Range	70 dB				
LightCatcher™ Technology	Yes				
Privacy Zones	Yes (up to 4 zones)				
Self-Learning Video Analytics	Yes	Yes	Yes	No	No
HDSM SmartCodec™ Technology	Yes				
Pixel Motion Detection	Yes				
On-board Storage	Yes (SD/SDHC/SDXC – minimum class 6)				
Lens	EF and EF-S (SLR bayonet)	EF and EF-S (SLR bayonet)	EF and EF-S (SLR bayonet)	EF (SLR bayonet)	EF (SLR bayonet)
Iris Control	Automatic, Manual*				
Focus Control	Automatic, Manual*				
Minimum Illumination	0.005 lux (at F1.4)				
Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG				
Frame Rate (at max. resolution)	12 fps	12 fps	10 fps	7 fps	6 fps
Alarm Input/Output	Line Input, Mini-Jack (3.5mm)				
External I/O Terminals	Alarm In, Alarm Out, RS-485				
Audio Compression Method	G.711 PCM 8 kHz				
Power Over Ethernet (PoE)	Yes				
Power Consumption	13 W				
Operating Temperature	14° to +122° F / -10° to +50° C				

*Dependant on selected lens capability.

H4 Camera Line



Resolution	1 MP	2 MP	3 MP	5 MP	4K (8 MP)	1 MP	2 MP	3 MP	5 MP	4K (8 MP)	1 MP	2 MP	3 MP	5 MP	4K (8 MP)	1 MP	2 MP	3 MP	5 MP	4K (8 MP)
Aspect Ratio	16:9	16:9	4:3	4:3	16:9	16:9	16:9	4:3	4:3	16:9	16:9	16:9	4:3	4:3	16:9	16:9	16:9	4:3	4:3	16:9
Day/Night	Yes																			
Self-Learning Video Analytics	Yes																			
HDSM SmartCodec Technology	Yes																			
IR Illumination Option	Yes					No					Yes					Yes				
Wide Dynamic Range	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	No
LightCatcher Technology	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No
Unusual Motion Detection	Yes																			
Pixel Motion Detection	Yes																			
Audio	Yes. Line I/O																			
Frame Rate	30 fps																			
Web Page Accessible	Yes																			
On-board Storage	SD Card (SDHC/SDXC)																			
Image Compression Method	H.264, Motion JPEG																			
ONVIF® Compliant	1.02, 2.00, Profile S and 2.2.0																			
Lens Control	Remote Zoom and Auto-Focus																			
Lens Options*	3-9mm f1.3	1, 2 MP: 30° - 91°, 0.04 lux in Color Mode, 0.008 lux in Mono / 3 MP: 32° - 98°, 0.04 lux in Color Mode, 0.008 lux in Mono																		
	4.3-8mm f1.8	5 MP: 46° - 86°, 0.033 lux in Color Mode, 0.0066 lux in Mono / 4K (8 MP): 44° - 81°, 0.29 lux in Color Mode, 0.058 lux in Mono																		
	9-22mm f1.6	1, 2 MP: 14° - 29°, 0.08 lux in Color Mode, 0.016 lux in Mono / 3 MP: 15° - 31°, 0.08 lux in Color Mode, 0.016 lux in Mono 5 MP: 18° - 41°, 0.033 lux in Color Mode, 0.0066 lux in Mono																		
Environmental	IK10 Impact Rating, Dust Resistant					IK10 Impact Rating, Dust Resistant					IP66 Weather Rating, IK10 Impact Rating					IP66 Weather Rating, IK10 Impact Rating				
Operating Temperature	1.0 to 5.0 MP	-40°C to +60°C (-40°F to +140°F)																		
	4K	-40°C to +50°C (-40°F to +131°F)																		
Power Source	PoE / VDC: 12 V / VAC: 24 V																			

*Must be installed with a mounting accessory

H4 Camera Line

H4-B
Indoor
Body or Housing



H4-BO
Indoor/Outdoor
3 Axis Arm Wall Mount



Resolution	1 MP	2 MP	3 MP	5 MP	4K (8 MP)	1 MP	2 MP	3 MP	5 MP	4K (8 MP)	
Aspect Ratio	16:9	16:9	4:3	4:3	16:9	16:9	16:9	4:3	4:3	16:9	
Day/Night	Yes										
Self-Learning Video Analytics	Yes										
HDSM SmartCodec Technology	Yes										
Adaptive IR Illumination	No					Yes					
Wide Dynamic Range	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	No	
LightCatcher Technology	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	
Unusual Motion Detection	Yes										
Pixel Motion Detection	Yes										
Audio	Yes. Line I/O										
Web Page Accessible	Yes										
On-board Storage	SD Card (SDHC/SDXC)										
Frame Rate	30 fps										
Image Compression Method	H.264, Motion JPEG										
ONVIF Compliant	1.02, 2.00, Profile S and 2.2.0										
Lens Control	Remote Zoom and Auto-Focus										
Lens Options*	3-9mm f1.3	1, 2 MP: 30° - 91°, 0.04 lux in Color Mode, 0.008 lux in Mono 3 MP: 32° - 98°, 0.04 lux in Color Mode, 0.008 lux in Mono									
	4.3-8mm f1.8	5 MP: 46° - 86°, 0.033 lux in Color Mode, 0.0066 lux in Mono 4K (8 MP): 44° - 81°, 0.29 lux in Color Mode, 0.058 lux in Mono									
	4.7-84.6mm f1.6	1, 2 MP: 3.3° - 55°, 0.08 lux in Color Mode, 0.016 lux in Mono 3 MP: 3.5° - 59°, 0.08 lux in Color Mode, 0.016 lux in Mono					n/a				
	9-22mm f1.6	1, 2 MP: 14° - 29°, 0.08 lux in Color Mode, 0.016 lux in Mono 3 MP: 15° - 31°, 0.08 lux in Color Mode, 0.016 lux in Mono 5 MP: 18° - 41°, 0.033 lux in Color Mode, 0.0066 lux in Mono									
Environmental	n/a					IP66 Weather Rating, IK10 Impact Rating					
Operating Temperature	1.0 to 5.0 MP	-10 °C to +60 °C (14 °F to 140 °F)				-40 °C to +55 °C (-40 °F to 131 °F)					
	4K	-10 °C to +50 °C (14 °F to 122 °F)				-35 °C to +50 °C (-31 °F to 122 °F)					
Power Source	PoE / VDC: 12 V / VAC: 24 V					PoE / VDC: 12 V / VAC: 24 V					

H4 Edge Solution (ES) Camera Line



H4A-DO1 and H4A-DP1
Dome Indoor/Outdoor & Dome Pendant



H4A-BO1
Indoor/Outdoor - 3 Axis Arm Wall Mount



H4A-B1
Indoor - Body or Housing

Resolution	1 MP	2 MP	3 MP	1 MP	2 MP	3 MP	1 MP	2 MP	3 MP
On-board Storage	128 GB	256 GB	256 GB	128 GB	256 GB	256 GB	128 GB	256 GB	256 GB
Recording/Stream Out Rate	12/24 Mbps			12/24 Mbps			12/24 Mbps		
Aspect Ratio	16:9		4:3	16:9		4:3	16:9		4:3
Self-Learning Video Analytics	Yes								
HDSM SmartCodec Technology	Yes								
Day/Night	Yes								
Built-in IR Illumination	Yes			Yes			No		
Wide Dynamic Range	Yes								
LightCatcher Technology	Yes								
Unusual Motion Detection	Yes								
Pixel Motion Detection	Yes								
Audio	Yes								
Frame Rate	High Frame Rate								
	Full Feature								
	30 fps								
	12 fps								
Web Page Accessible	Yes								
ACC™ Software	On-board								
Image Compression Method	H.264, Motion JPEG								
ONVIF Compliant	1.02, 2.00, Profile S and 2.2.0								
Lens Control	Remote Focus and Zoom								
Lens Options*	3-9mm f1.3	1, 2 MP: 30° - 91°, 0.04 lux in Color Mode, 0 lux in Mono with IR 3 MP: 32° - 98°, 0.04 lux in Color Mode, 0 lux in Mono with IR					n/a		
	9-22 mm f1.6	n/a		1, 2 MP: 14° - 29°, 0.08 lux in Color Mode, 0 lux in Mono with IR 3 MP: 15° - 31°, 0.08 lux in Color Mode, 0 lux in Mono with IR			n/a		
	4.7-84.6 mm f1.6	n/a		n/a			1, 2 MP: 3.3° - 55°, 0.08 lux in Color Mode, 0.016 lux in Mono 3 MP: 3.5° - 59°, 0.08 lux in Color Mode, 0.016 lux in Mono		
Environmental	IP66 Weather Rating, IK10 Impact Rating			IP66 Weather Rating, IK10 Impact Rating			n/a		
Operating Temperature	-40°C to +60°C (-40°F to 140°F)			-40°C to +55°C (-40°F to 131°F)			-10°C to +60°C (14°F to 140°F)		
Power Source	PoE / VDC: 12 V / VAC: 24 V								

H4 Fisheye Camera Line



6.0L-H4F-DO1-IR



12.0-H4F-DO1-IR

Resolution	6 MP		12 MP	
Image Sensor	1/1.8" Progressive Scan CMOS		1/2.3" Progressive Scan CMOS	
Active Pixels (H x V)	2000 x 2000		2992 x 2992	
Imaging Area (H x V)	4.8mm x 4.8mm (0.189" x 0.189")		4.6mm x 4.6mm (0.180" x 0.180")	
HDSM SmartCodec Technology	Yes			
Day/Night	Yes			
IR Illumination	Yes			
LightCatcher Technology	Yes		No	
Pixel Motion Detection	Yes			
Audio	Yes			
On-board Storage	microSDHC / microSDXC / UHS-1 slot			
Frame Rate	H.264	30 fps		20 fps
	MJPEG	15 fps		10 fps
Image Compression Method	H.264, Motion JPEG			
ONVIF Compliant	Profile S			
Lens Options	1.45mm, f2.2	Horizontal Angle of View: 180° Hemisphere / Field of View: 360°		
Environmental	IP66 Weather Rating, IK10 Impact Rating (camera housing only)			
Operating Temperature	-40°C to +55°C (-40°F to 131°F) with 12 V DC or PoE+ power -20 °C to +55 °C (-4 °F to 131 °F) with PoE power			
Power Source	PoE / PoE+ / VDC: 12 V +/-10% / 25.5 W max			

H4 PTZ Camera Line

H4PTZ-DC
Indoor
H4 PTZ - In-Ceiling Mount



H4PTZ-DP
Indoor/Outdoor
H4 PTZ Dome - Pendant Mount



Resolution	1 MP	2 MP	1 MP	2 MP
Aspect Ratio	16:9	16:9	16:9	16:9
Zoom	45x	30x	45x	30x
Day/Night	Yes			
Self-Learning Video Analytics	Yes – At Home Position			
HDSM SmartCodec Technology	Yes			
Lens Options 4.3 to 129 mm, F/1.6- F/4.7	Autofocus, Up to 45x Zoom	Autofocus, Up to 30x Zoom	Autofocus, Up to 45x Zoom	Autofocus, Up to 30x Zoom
Angle of View	1.5° - 63.7°	2.3° - 63.7°	1.5° - 63.7°	2.3° - 63.7°
Privacy Zones	Up to 64 Zones, 3D Privacy Mask Supported			
Presets/Tours	100 Named Presets, 10 Named Guard Tours			
Wide Dynamic Range	Yes – Up to 60 fps			
LightCatcher Technology	Yes			
Digital Defog	Yes			
Electronic Image Stabilization	Yes			
Pixel Motion Detection	Yes			
Audio	Yes – Line I/O			
Web Page Accessible	Yes			
On-board Storage	SD Card (SDHC / SDXC)			
Frame Rate	Up to 60 fps			
Image Compression Method	H.264, Motion JPEG			
ONVIF Compliant	Profile S			
Environmental	n/a		IK10 Impact Rating, IEC 60529 IP66/IP67 Rating, UL/CSA/IEC 60950-22	
Operating Temperature	-10°C to +50°C (14°F to 122°F)		-40°C to +50°C (-40°F to 122°F) with external power or 60 W PoE -10°C to +50°C (-14°F to 122°F) with IEEE 802.3 at Class 4 PoE+ power	
Power Source	PoE+ / VDC: 24 V / VAC: 24 V		PoE+ or 60W PoE / VDC: 24 V / VAC: 24 V	

H4 IR PTZ Camera Line



H4IRPTZ-DP
Outdoor*



H4IRPTZ-DP-WP
Outdoor, With Wiper*

Resolution	1 MP	2 MP	1 MP	2 MP
Aspect Ratio	16:9			
Zoom	45x	30x	45x	30x
IR Illumination	250 m (820 ft) maximum distance at 0 lux			
Minimum Illumination	0 lux in IR mode; 0.1 lux (F/1.6) in color mode (no IR) / 0.03 lux (F/1.6) in monochrome mode (no IR)			
3D Noise Reduction Filter	Yes – Adjustable Strength			
Self-Learning Video Analytics	Yes – At Home Position			
HDSM SmartCodec Technology	Yes			
Lens Options	4.3 to 129 mm, F/1.6- F/4.7	Autofocus, up to 45x zoom	Autofocus, up to 30x zoom	Autofocus, up to 45x zoom
Angle of View	1.5° - 63.7°	2.3° - 63.7°	1.5° - 63.7°	2.3° - 63.7°
Day/Night Control	Automatic, Manual			
Flicker Control	50 Hz, 60 Hz			
White Balance	Automatic, Manual			
LightCatcher Technology	Yes			
Digital Defog	Yes			
Electronic Image Stabilization	Yes			
Pixel Motion Detection	Yes			
Audio	Yes – Line I/O			
Web Page Accessible	Yes			
On-board Storage	microSD/microSDHC/microSDXC slot – minimum class 6, class 10/UHS-1 or better recommended			
Frame Rate	Up to 60 fps			
Image Compression Method	H.264, Motion JPEG			
ONVIF Compliant	Profile S			
Environmental	IK 10 Impact Rating, IP66 Rating			
Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F) with external power or 95 W PoE / -10 °C to +50 °C (14 °F to 122 °F) with 60W PoE			

*Mounting accessories must be ordered separately

H4 Mini Dome Camera Line



H4M-D1
Surface Indoor – Grey, Black



H4M-D1
Pendant Indoor – Grey, Black*



H4M-D1
In-ceiling Indoor – Grey, Black*

Resolution	1.3 MP and 2 MP	3 MP	1.3 MP and 2 MP	3 MP	1.3 MP and 2 MP	3 MP	
HDSM SmartCodec Technology	Yes						
Day/Night	Yes						
IR Model Available	Yes						
IR Illumination	10 m (33 ft) max. distance at 0 lux						
Dynamic Range	100 dB						
LightCatcher Technology	Yes						
Unusual Motion Detection	Yes						
Pixel Motion Detection	Pixel						
Audio	No						
Frame Rate	30 fps	20 fps	30 fps	20 fps	30 fps	20 fps	
Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG						
ONVIF Compliant	1.02, 2.00, Profile S						
Lens Options	2.8mm, F1.2, IR Corrected	Aspect Ratio 5:4 FoV 74° 16:9 FoV 110° 0.01 lux in Color Mode with IR 0 lux (F/1.2) lux in Mono with IR 0.01 lux in Color Mode without IR 0.002 lux (F/1.2) lux in Mono without IR	Aspect Ratio 5:4 FoV 94° 16:9 FoV 100° 4:3 FoV 100° 0.02 lux in Color Mode with IR 0 lux (F/1.2) lux in Mono with IR 0.02 lux in Color Mode without IR 0.004 lux (F/1.2) lux in Mono without IR	Aspect Ratio 5:4 FoV 74° 16:9 FoV 110° 0.01 lux in Color Mode with IR 0 lux (F/1.2) lux in Mono with IR 0.01 lux in Color Mode without IR 0.002 lux (F/1.2) lux in Mono without IR	Aspect Ratio 5:4 FoV 94° 16:9 FoV 100° 4:3 FoV 100° 0.02 lux in Color Mode with IR 0 lux (F/1.2) lux in Mono with IR 0.02 lux in Color Mode without IR 0.004 lux (F/1.2) lux in Mono without IR	Aspect Ratio 5:4 FoV 74° 16:9 FoV 110° 0.01 lux in Color Mode with IR 0 lux (F/1.2) lux in Mono with IR 0.01 lux in Color Mode without IR 0.002 lux (F/1.2) lux in Mono without IR	Aspect Ratio 5:4 FoV 94° 16:9 FoV 100° 4:3 FoV 100° 0.02 lux in Color Mode with IR 0 lux (F/1.2) lux in Mono with IR 0.02 lux in Color Mode without IR 0.004 lux (F/1.2) lux in Mono without IR
Environmental	Indoor Applications						
Operating Temperature	0°C to 50°C (32°F to 122°F)						
Power Source	PoE: IEEE802.3af Class 2 compliant						

*Must be installed with a mounting accessory



H4 Mini Dome cameras alternate easily between surface, in-ceiling and pendant mounts, simplifying the ordering and selection process.

H4 SL Camera Line



H4SL-BO1-IR
Indoor/Outdoor



H4SL-DO
Outdoor



H4SL-D1
Indoor

Resolution	1.3 MP and 2 MP	3 MP	1.3 MP and 2 MP	3 MP	1.3 MP and 2 MP	3 MP	
HDSM SmartCodec Technology	Yes						
Day/Night	Yes						
Innovative Modular Design	Yes						
IR Illumination	Yes		Yes		Yes – optional		
Wide Dynamic Range	Yes						
LightCatcher Technology	Yes						
Unusual Motion Detection	Yes						
Pixel Motion Detection	Yes						
Audio	No						
On-board Storage	microSD / microSDHC / microSDXC slot						
Frame Rate	30 fps	20 fps	30 fps	20 fps	30 fps	20 fps	
Wi-Fi Configuration Support	Yes						
Image Compression Method	H.264, Motion JPEG						
ONVIF Compliant	1.02, 2.00 and Profile S						
Lens Options	3-9mm, f1.4	Aspect Ratio 5:4 FoV 26° - 60° 16:9 FoV 39° - 90° 0.01 lux in Color Mode, 0 lux in Mono with IR	Aspect Ratio 5:4 FoV 26° - 60° 16:9 FoV 39° - 90° 0.02 lux in Color Mode, 0 lux in Mono with IR	Aspect Ratio 5:4 FoV 26° - 60° 16:9 FoV 39° - 90° 0.01 lux in Color Mode, 0 lux in Mono with IR	Aspect Ratio 5:4 FoV 26° - 60° 16:9 FoV 39° - 90° 0.02 lux in Color Mode, 0 lux in Mono with IR	Aspect Ratio 5:4 FoV 26° - 60° 16:9 FoV 39° - 90° 0.01 lux in Color Mode, 0.02 lux in Mono Mode, 0 lux with IR	Aspect Ratio 5:4 FoV 26° - 60° 16:9 FoV 39° - 90° 0.02 lux in Color Mode, 0.004 lux in Mono Mode, 0 lux with IR
Environmental	IP66 Weather Rating, IK10 Impact Rating		IP66 Weather Rating, IK10 Impact Rating		n/a		
Operating Temperature	-30°C to +60°C (-22°F to 140°F)		-30°C to +60°C (-22°F to 140°F)		0°C to +60°C (32°F to 140°F)		
Power Source	PoE / 9 W max		PoE / 7 W max		PoE / 4 W max		



H4 SL Bullet cameras can be mounted horizontally (standard mode) or vertically (corridor mode). The versatile sunshade provides protection in either mounting mode without obstructing the camera's maximum field of view.



H4 SL Dome cameras alternate easily between surface, in-ceiling and pendant mounts, simplifying the ordering and selection process.

H4 Thermal Cameras



320S-H4A-THC-BO50
Outdoor



320S-H4A-THC-BO24
Outdoor



320S-H4A-THC-BO12
Outdoor

Lens Options	4.3mm, F1.0, Athermalized	9.1mm, F1.0, Athermalized	18.0mm, F1.0, Athermalized
Angle of View (H x V)	45.9° x 36.5°	21.6° x 17.0°	10.8° x 8.4°
Image Sensor	320x256 Uncooled VOx Microbolometer		
Spectral Range	8μm to 14μm		
Aspect Ratio	5:4		
Self-Learning Video Analytics	Yes		
Dynamic Range	-40 °C to 225 °C (-40 °F to 437 °F) [may vary based on operating temperature]		
Resolution Scaling	320x256, can be scaled up to 640x512		
Frame Rate	8.6 fps		
ONVIF Compliance	ONVIF compliant with version 1.02, 2.00, Profile S and 2.2.0 of the Analytics Service Specification*		
3D Noise Reduction Filter	Yes		
Sensitivity	NETD <60mK		
Pixel Motion Detection	Pixel and Classified Objects		
Audio	Yes. Line Input		
Image Compression Method	G.711 PCM 8kHz		
Operating Temperature	-40 °C to +65 °C (-40 °F to 149 °F)		
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)		
Power Source	VDC: 12V +/- 10%, 8W min. / VAC: 24V +/- 10%, 15VA min. / PoE:IEEE802.3af Class 3 compliant		

*Bounding boxes and scene descriptions not available with third-party VMS

H4 Video Intercom

3.0C-H4VI-RO1-IR



Resolution	3MP	
Image Sensor	1/2.8" Progressive Scan CMOS	
Active Pixels (H x V)	2048 x 1536	
Imaging Area (H x V)	3.7 mm x 3.0 mm (0.145" x 0.118")	
Aspect Ratio	4:3	
Lens	1.83mm, F2.4	
Minimum Illumination	With IR: 0 lux	Without IR 0.14 lux (F2.4) in Color Mode; 0.03 lux (F2.4) in Monochrome Mode
IR Illumination	5 m (15 ft) max. Distance at 0 lux	
Dynamic Range (Without WDR)	100 dB	
Dynamic Range (WDR Enabled)	120 dB Triple Exposure (20 fps or Less); 100 dB Dual Exposure (30 fps)	
Self-Learning Video Analytics	Yes	
Lightcatcher Technology	Yes	
Frame Rate	30 fps	
HDSM SmartCodec Technology	Yes	
Avigilon Appearance Search™ Technology Enabled	Yes	
Pixel Motion Detection	Yes	
Image Compression Method	H.264, Motion JPEG	
Audio Compression Method	Opus, G.711	
Audio Streaming	Two-way, Full Duplex	
Audio Features	Echo Cancellation and Noise Reduction	
On-board Storage	MicroSD/microSDHC/microSDXC slot	
ONVIF Compliant	Profile S	
External I/O Terminals	Alarm In (1), Alarm Out (2), Tamper Out (1)	
Environmental	IK 10 Impact Rating, IP66 Rating	
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F)	
Power Source	10W	

H4 License Plate Capture (LPC) Camera



3.0C-HD-LP-B1

Image Sensor	1/2.8" Progressive Scan CMOS
Aspect Ratio	4:3
Lens Control	Remote Focus and Zoom
HDSM SmartCodec Technology	Yes
3D Noise Reduction Filter	Yes
Pixel Motion Detection	Selectable Sensitivity and Threshold
Iris Control	Automatic, Manual
Day/Night Control	Automatic, Manual
Flicker Control	50 Hz, 60 Hz
White Balance	Automatic, Manual
Privacy Zones	Up to 64 Zones
Audio Compression Method	G.711 PCM 8 kHz
External I/O Terminals	Alarm In, Alarm Out
Image Compression Method	H.264
ONVIF Compliant	ONVIF Profile S
Lens	4.7-84.6mm Varifocal
Environmental	IP66 Rated Housing
Operating Temperature	-30 °C (-22 °F) to 50 °C (122 °F)
Power Source	2 x IEEE 802.3at Class 4 PoE+(25.5 W) Power Supply Enclosure Heater and Camera Total = 16W IR Illuminator = 25W

H4 Multisensor Camera Line



Number of Image Sensors	3 Sensor Model			4 Sensor Model		
	Resolution Options	3 MP	5 MP	8 MP	3 MP	5 MP
Frame Rate (60Hz/50Hz)	24/25	15/17	12/13	20/20	13/13	8/8
Total Resolution	9 MP	15 MP	24 MP	12 MP	20 MP	32 MP
Per Sensor Resolution	2048 x 1536	2592 x 1944	3840 x 2160	2048 x 1536	2592 x 1944	3840 x 2160
Total Sensor Resolution	6144 x 1536	7776 x 1944	11520 x 2160	8192 x 1536	10368 x 1944	15360 x 2160
Static Lens Options	2.8mm or 4mm		4mm or 5.2mm	2.8mm or 4mm		4mm or 5.2mm
Available Mounting	In-ceiling Mount, Surface Mount, Pendant Mount					
Day/Night	Yes					
Wide Dynamic Range	Yes					
Pixel Motion Detection	Yes					
Audio	Yes. G.711 PCM 8 kHz					
Web Page Accessible	Yes					
On-board Storage	MicroSD					
Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG					
ONVIF Compliant	ONVIF Compliance Version 1.02, 2.00, Profile S					
Lens Control	Remote Focus					
Environmental	Surface Mount and Pendant Mount: IK10 Impact Rating and IP66 Weather Rating In-ceiling Mount: Plenum					
Operating Temperature	In-ceiling Mount: -10° C (14 ° F) to 50° C (122° F) or Surface or Pendant Mount: -40° C (-40° F) to 60° C (140° F)					
Power Source	PoE: In-ceiling: 25.5W PoE+, IEEE 802.3at Type 2 PoE Plus Surface or Pendant Mount Without Optional IR: 25.5W PoE+, IEEE 802.3at Type 2 PoE Plus Surface or Pendant Mount with Optional IR: 51W PoE++ 24VDC or 24VAC also Supported					

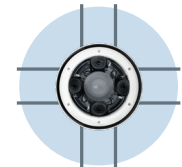
180° Coverage



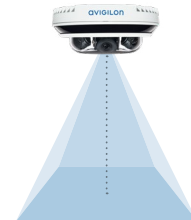
270° Coverage



360° Coverage



93° Sensor Angle



All H4 Multisensor components and mounting accessories must be ordered separately; see page 19 for part numbers.

HD Multisensor Camera Line



9W-H3-3MH-DC1
Indoor In-ceiling



12W-H3-4MH-DC1
Indoor In-ceiling



9W-H3-3MH-DO1
Indoor/Outdoor



12W-H3-4MH-DO1
Indoor/Outdoor



9W-H3-3MH-DP1
Indoor/Outdoor Pendant



12W-H3-4MH-DP1
Indoor/Outdoor Pendant

Number of Image Sensors	3		4		3		4	
Total Resolution	9 MP (3 x 3 MP)		12 MP (4 x 3 MP)		9 MP (3 x 3 MP)		12 MP (4 x 3 MP)	
Per Sensor Resolution	2048 (H) x 1536 (V)							
Total Sensor Resolution	6144 (H) x 1536 (V)		8192 (H) x 1536 (V)		6144 (H) x 1536 (V)		8192 (H) x 1536 (V)	
Day/Night	Yes							
Wide Dynamic Range	Yes							
Pixel Motion Detection	Yes							
Audio	Yes. Line I/O							
Frame Rate	20 fps Per Sensor		15 fps Per Sensor		20 fps Per Sensor		15 fps Per Sensor	
Web Page Accessible	Yes							
On-board Storage	SD Card (SDHC / SDXC)							
Image Compression Method	H.264, Motion JPEG							
ONVIF Compliant	ONVIF Compliance Version 1.02, 2.00, Profile S							
Lens Control	Remote Zoom and Focus							
Lens Options	2.8-8mm		32.5-93°, 0.2 lux (f1.2) / 0.4 lux (f1.6) in Color Mode; 0.02 (f1.2) in Mono					
Housing	Recessed Mount, Plastic, RAL 9003 Grey			Surface Mount, Power Coat Cool Gray 2			Pendant Mount, Power Coat Cool Gray 2	
Environmental	n/a			IP66 Weather Rating, IK10 Impact Rating				
Operating Temperature	-10°C to +50°C (14°F to 122°F)			-40°C to +50°C (-40°F to 122°F) POE+ or Auxiliary Power -20°C to +50°C (-4°F to 122°F) POE				
Power Source	PoE / VDC: 24V / VAC: 24V			PoE or PoE+ Type 2 / VDC: 24V / VAC: 24V				



Dome Accessories

- Clear dome bubble:
 - H4A-DD-CLER1
 - H4A-DC-CLER1
 - H4A-DO-CLER1
 - H4A-DP-CLER1
 - H4A-DD-CLER1-BL
 - H4A-DC-CLER1-BL
- Smoked dome bubble:
 - H4A-DD-SMOK1
 - H4A-DC-SMOK1
 - H4A-DO-SMOK1
 - H4A-DP-SMOK1
 - H4A-DD-SMOK1-BL
 - H4A-DC-SMOK1-BL
- “-BL” for black variant
- Metal ceiling panel: H4A-DC-CPNL1
- Indoor dome camera sidewall knockout plug, pack of 5:
 - H4A-DD-SDWL1
 Add “-BL” for black variant
- 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
- USB wifi adapter: H4-AC-WIFI1-NA



PTZ Accessories

- 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 Accessories

- Pendant wall mount: IRPTZMH-MT-WALL1
- Pole mount adapter: IRPTZ-MNT-NPTA1



Bullet Accessories

- 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 Mini Dome Accessories

- 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



H4 SL Accessories

- 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 mount adapter: H4-MT-CRNR1
- Pole mount adapter: H4-MT-POLE1
- Junction box: H4-BO-JBOX1



H4 Fisheye Accessories

- NPT adapter: H4F-MT-NPTA1
- Pendant wall arm: CM-MT-WALL1
- Corner mount adapter: H4-MT-CRNR1
- Pole mount adapter: H4-MT-POLE1



H4 Multisensor Accessories

- Pendant wall mount:
 - H4AMH-AD-PEND1
 - H4AMH-DO-COVR1 or H4AMH-DO-COVR1-SMOKE
 - IRPTZ-MNT-WALL1
 - Optional, H4AMH-AD-IRIL1
- NPT mount:
 - H4AMH-AD-PEND1
 - H4AMH-DO-COVR1 or H4AMH-DO-COVR1-SMOKE
 - IRPTZ-MNT-NPTA1
 - Optional, H4AMH-AD-IRIL1
- Surface mount:
 - H4AMH-AD-DOME1
 - H4AMH-DO-COVR1 or H4AMH-DO-COVR1-SMOKE
 - Optional, H4AMH-AD-IRIL1
- In-ceiling mount:
 - H4AMH-AD-CEIL1
 - H4AMH-DC-COVR1 or H4AMH-DC-COVR1-SMOKE
 - Optional, H4AMH-DC-CPNL1 if ceiling panel needed
- 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
- Mounting adapters and dome covers:
 - H4AMH-AD-DOME1
 - H4AMH-AD-PEND1
 - IRPTZ-MNT-WALL1
 - IRPTZ-MNT-NPTA1
 - H4-MT-POLE1
 - H4-MT-CRNR1
 - H4AMH-AD-CEIL1
 - H4AMH-DO-COVR1
 - H4AMH-DO-COVR1-SMOKE
 - H4AMH-DC-COVR1
 - H4AMH-DC-COVR1-SMOKE
 - H4AMH-DC-CPNL1
- Optional IR illuminator:
 - H4AMH-AD-IRIL1
- Optional injectors and switches:
 - ES-PS-S4
 - ES-PS-MNT-POLE1
 - POE-INJ2-60W-NA
 - POE-INJ2-PLUS



HD Multisensor Accessories

- Clear dome bubble:
 - PTZMH-DP-CLER1
 - PTZMH-DC-CLER1
- Smoked dome bubble:
 - PTZMH-DP-SMOK1
 - PTZMH-DC-SMOK1
- Pendant wall mount: CM-MT-WALL1
- Corner mount bracket: H4-MT-CRNR1
- Pole mount bracket: H4-MT-POLE1
- Metal ceiling panel: PTZMH-DC-CPNL1



H4 Video Intercom Accessories

- Surface mount adapter: H4VI-MT-SURF1
- Safety relay: H4VI-AC-RELY1



H4 LPC Camera Accessories

- 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