H4 Edge Solution (ES) Outdoor Dome Camera Line



The H4 Edge Solution Camera line combines high-definition imaging, self-learning video analytics, network video recorder functionality, and embedded Avigilon Control Center™ video management software to create an all-in-one intelligent surveillance solution.











Onboard Solid-State Drive (SSD) storage

The H4 Edge Solution Camera records video directly to an onboard solid-state drive, eliminates the need for a separate network video recorder, and reduces installation and system costs.

Avigilon Control Center (ACC Software) Built-in

The H4 Edge Solution Camera line provides unique flexibility and versatility, with deployment options ranging from standalone installation, multi-camera solutions, to seamless integration into a conventional network video surveillance system.

As an Internet of Things device, the solution acts as both a camera and out-of-the-box video management software platform, providing a uniquely easy-to-install and cost-effective surveillance solution.

KEY FEATURES

1-3 megapixel models

Factory installed and licensed with ACC Video Management software running on the camera

Up to 256 GB on-board Solid-State Drive (SSD)

Up to 30 day of video retention

Self-learning video analytics

Patented Advanced Video Pattern Detection and Teach by Example Technology

Patented High Definition Stream Management (HDSM)™ Technology maintains image quality while reducing bandwidth

Idle Scene Mode lowers the bandwidth and storage usage if there are no motion events detected in the scene

Wifi camera configuration support

Zoom and content adaptive integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 30 m (98 ft) away

Avigilon LightCatcher™ technology provides exceptional image quality in low light environments

Triple Exposure Ultra Wide Dynamic Range

Factory pre-configured image preset modes for maximum image performance in a variety of lighting conditions

Specifications

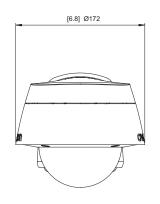
May			1.0 MP	2.0 MP	3.0 MP				
Marie Mari	IMAGE	Image Sensor	1/2.8" progressive scan CMOS						
Regina Amenia Symma Amenia Symma Amenia Symma	PERFORMANCE	Aspect Ratio	16:9		4:3				
Risk primate primate plant 1900		Active Pixels (H x V)	1280 x 720	1920 x 1080	2048 x 1536				
Risk primate primate plant 1900		Imaging Area (H x V)	4.8 mm x 2.7mm; 0.189" x 0.106"		5.12 mm x 3.84 mm; 0.202" x 0.151"				
## Service of Lange Care Care Care Care Care Care Care Car			30 m (98 ft) max. distance at 0 lux						
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Part Mark Part									
Symetic Region (10% of all and exposure [10] (10% of 10%			30 fps						
A control (Part) Part P			67 IB	12 fps	12 fps				
Recording Seat Reco									
Camera Openating Mode			00 dB dual exposure (30 fps)						
Selection Sele				vill prioritize maximum image rate over other features WDP is					
Solicy Sale Part Page Sale		J			in phonize maximum image rate over other reatures. WEN is				
Section Sect				Full Feature = Camera will p	rioritize feature capabilities over image rate.				
Section Sect		C 1: 1 C: 1 D : (CCD)							
Marco					256 G				
MAGE CONTINE Image Controllerish Middle Male American H.264 and Motion PES	STORAGE	Retention Rate	Up to 30 days (2 Mbps stream based on 30%	motion duty cycle)					
MAGE CONTINE Image Controllerish Middle Male American H.264 and Motion PES	LENS	Lons	3 - 9 mm F13 P-Iris remote focus and zoom						
MAGE CONTROL Briggs Compression Method Milestream H 264 of Motion JPEG	LENS				220 000				
Securing		Angle of view	30 - 91		32 - 36				
Motion Detection Popular	IMAGE CONTROL	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG						
Main Delection Piese and classified displaces Security Sec		Streaming	Multi-stream H.264 and Motion JPEG						
Extension State Section Se		Bandwidth Management	HDSM and Idle Scene Mode						
Bicstonic Shutler Commol Automatic, Meniary 1916 1990 0990 1916		Motion Detection	Pixel and classified objects						
Siconford		Camera Tampering Detection	Yes						
Pay-Night Control Automatic, Manual Pay-Night Control State Control		Electronic Shutter Control	Automatic, Manual (1/6 to 1/8000 sec)						
Ricker Cortrol		Iris Control	Automatic, Manual						
Mine Balance Automatic, Maria Applicable Automatic, Maria Applicable Automatic, Maria Automati		Day/Night Control	Automatic, Manual						
Backlight Compensation Adjustable		Flicker Control	50 Hz, 60 Hz						
Pubma Pubm		White Balance	Automatic, Manual						
Audio Compression Method		Backlight Compensation	Adjustable						
Auto Demoirable Coutput Cout		Privacy Zones							
Mathod Color Col		Audio Compression Method	G.711 PCM 8 kHz						
NETWORK Network NOME N		Audio Input/Output	Line level input and output, A/V mini-jack (3.5 mm)						
NEWORK Network Cabling Type CATS C		Video Output	(1.0 - 2.0 MP only) NTSC/PAL, A/V mini-jack (3.5 mm)						
NETWORK Network 1008ASE-TX		External I/O Terminals	Alarm In, Alarm Out						
Cabling Type		USB Port	USB 2.0						
Cabling Type	NETWORK	Network	100BASE-TX						
Connector Connector Convictor Conv	NETWORK								
NNIF									
Clouding boxes and scene descriptions not available with third-party VMS.				ile S and 2.2.0 of the Analytics Servic	e Specification				
Protoco									
Steaming Protocols Device Management Protocols SMPP V2c, SNNP V3 SNNP V2c, SNNP V3 SNNP V3c, SNNP V3c SNNP V3									
PENDANT D									
NECHANICAL Dimensions (LXWXH) dome camera only: with wall mount (H4-MT-WALL1): 275 mm x 172 mm x 152 mm; (6.8" x 6.8" x 4.9") with wall mount (H4-MT-WALL1): 275 mm x 172 mm x 152 mm; (6.8" x 6.8" x 6.0") with with wall mount (H4-MT-WALL1): 275 mm x 172 mm x 152 mm; (6.8" x 6.8" x 6.8") with with wall mount (H4-MT-WALL1): 300 kg (6.62 lbs) with with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) with with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) with with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) with with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) with with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) with with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) with with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) with with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) wall mount (H4-MT-WALL1)		-		, RTP/RTSP/HTTP/TCP, RTP/RTSP/HT	IPS/TCP, HTTP				
MECHANICAL Dimensions (LxWxH) dome camera only: with wall mount (H4-MT-WALL1: 275 mm x 172 mm x		Device Management Protocols	SNMP v2c, SNMP v3						
MECHANICAL Dimensions (LxWxH) dome camera only: with wall mount (H4-MT-WALL1: 275 mm x 172 mm x			PENDANT DOME CAMERA		SURFACE MOUNT OUTDOOR DOME CAMERA				
Weight W	MECHANICAL	Dimensions (LxWxH)	dome camera only: 172 mm x 1	72 mm x 124 mm: (6.8" x 6.8" x 4.9")					
Meight dome camera only: with wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) 1.35 kg (2.97 lbs) 1.35 kg (2.9	MEGNANIOAE		·		· · · · · · · · · · · · · · · · · · ·				
With wall mount (H4-MT-WALL1): 3.00 kg (6.62 lbs) with NPT mount (H4-MT-NPTA1): 1.80 kg (3.98 lbs)									
With NPT mount (H4-MT-NPTA1): 1.80 kg (3.98 lbs)		Weight			1.35 kg (2.97 lbs)				
Dome Bubble Polycarbonate, clear			` ,						
Body Aluminum Housing Pendant mount, vandal resistant - with wall mount (H4-MT-WALL1) / NPT mount Surface mount, vandal resistant		Dome Bubble	, , , ,	0 103)					
Housing									
Finish Powder coat, RAL 9003		*		ount (H4-MT-WALL1) / NPT mount	Surface mount, vandal resistant				
Adjustment Range 360° pan, 9° - 95° tilt (30° - 95° with -IR option), ±180° azimuth		9							
Power Consumption 9 W Power Source VDC: 12 V +/- 10%, 9 W min VAC: 24 V +/- 10%, 13 VA min PoE: IEEE802:3af Class 3 compliant				n) ±190° azimuth					
Power Source VDC: 12 V +/- 10%, 9 W min VAC: 24 V +/- 10%, 13 VA min PoE: IEEE802.3af Class 3 compliant Power Connector 2-pin terminal block RTC Backup Battery 3V manganese lithium ENVIRONMENTAL Operating Temperature -40 °C to +60 °C (-40 °F to 140 °F) Storage Temperature -10 °C to +70 °C (14 °F to 158 °F) Humidity 0 - 95% non-condensing CERTIFICATIONS Certifications/Directives UL cUL CE ROHS WEEE RCM Safety UL 60950-1 CSA 60950-1 IEC/EN 60950-1 IEC 62471 (for -IR options only) Environmental UL/CSA/IEC 60950-22 IEC 60529 IP66 Rating IK10 Impact Rating Electromagnetic Emissions FCC Part 15 Subpart B Class B IC ICES-003 Class B EN 55022 Class B EN 61000-6-3 EN 61000-3-2 EN 61000-3-3		jasament Kunge	pain, 5 - 55 and 150 - 55 with -int Option	,, =.00 azau1					
Power Connector RTC Backup Battery 3V manganese lithium	ELECTRICAL								
RTC Backup Battery 3V manganese lithium			VDC: 12 V +/- 10%, 9 W min	VAC: 24 V +/- 10%, 13 VA min	PoE: IEEE802.3af Class 3 compliant				
ENVIRONMENTAL Operating Temperature			_ ·						
Storage Temperature		RTC Backup Battery	3V manganese lithium						
Storage Temperature	ENVIDONMENTAL	Operating Temperature	-40 °C to +60 °C (-40 °F to 140 °F)						
Humidity 0 - 95% non-condensing	ENVIRONMENTAL		· · · · · · · · · · · · · · · · · · ·						
CERTIFICATIONS Certifications/Directives UL cUL CE ROHS WEEE RCM Safety UL 60950-1 CSA 60950-1 IEC/EN 60950-1 IEC 62471 (for -IR options only) Environmental UL/CSA/IEC 60950-22 IEC 60529 IP66 Rating IK10 Impact Rating Electromagnetic Emissions FCC Part 15 Subpart B Class B IC ICES-003 Class B EN 55022 Class B EN 61000-6-3 EN 61000-3-2 EN 61000-3-3		- '	· · · · · · · · · · · · · · · · · · ·						
Safety UL 60950-1 CSA 60950-1 IEC/EN 60950-1 IEC 62471 (for -IR options only) Environmental UL/CSA/IEC 60950-22 IEC 60529 IP66 Rating IK10 Impact Rating Electromagnetic Emissions FCC Part 15 Subpart B Class B IC ICES-003 Class B EN 55022 Class B EN 61000-6-3 EN 61000-3-2 EN 61000-3-3			_						
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Electromagnetic Immunity EN 55024 EN 61000-6-1					s B EN 61000-6-3 EN 61000-3-2 EN 61000-3-3				
		Electromagnetic Immunity	EN 55024	EN 61000-6-1					

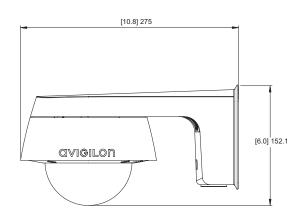
SUPPORTED VIDEO ANALYTICS EVENTS	Objects in Area	The event is triggered when the selected object type moves into the region of interest.							
	Object Loitering	The event is triggered when the selected object type stays within the region of interest for an extended amount of time.							
	Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.							
	Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.							
	Object Not Present in Area	The event is triggered when no objects are present in the region of interest.							
	Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.							
	Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.							
	Object Stops in Area	The event is triggered when an object in a region of interest stops moving for the specified threshold time.							
	Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.							
	Tamper Detection	The event is triggered when the scene unexpectedly changes.							
SUPPORTED ACC FEATURES	System	 1 camera per server (connection to self) 2 simultaneous client connections (override supported) Site supports up to 200 cameras and a total of 100 defined users. H4 ES Cameras can be part of a site with 15 other H4 ES Cameras, ACC ES HD Recorders, or ACC servers 							
	Recording Rate	12 Mbps							
	Stream Out Rate	24 Mbps							
	Client	 Saved Views Maps Intelligent Virtual Matrix Web pages Collaborative investigations 							
	Recording, Searching and Playback	 Hourly configurable recording schedule Intelligent motion search Live export Video archiving Thumbnail search Event search Alarm search 							
	Integrations	All 3rd party integrations via the ACC SDK Plus: • CommScope iPatch • DDS Amadeus 5 • DSX							
	Additional Features	 Email event notification Digital input email trigger Manual digital output trigger Audio recording and talkdown Redundant recording 							

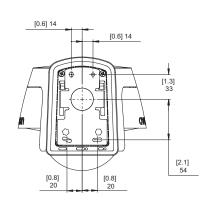
Outline Dimensions

Pendant Dome Camera

WITH WALL MOUNT (H4A-MT-WALL1)

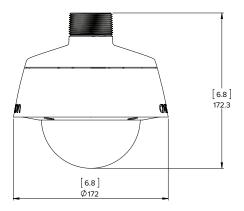


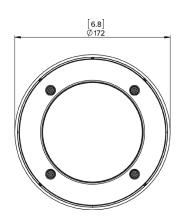




*Depending on level of site activity (site, camera, analytics, etc), redundant recording to a secondary server may exhibit a degradation in performance.

WITH NPT MOUNT (H4A-MT-NPTA1)

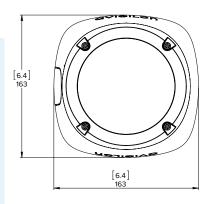


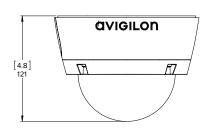


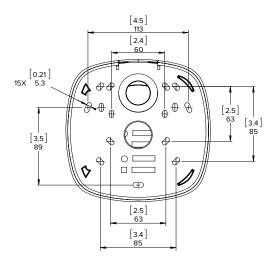
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Surface Mount Outdoor Dome Camera

(H4A-DO)







Ordering Information

PENDANT DOME CAMERAS	MP	WDR	LIGHTCATCHER	ANALYTICS	STORAGE	LENS	IR
1.0C-H4A-12G-DP1-IR	1.0	✓	✓	✓	128 G	3 - 9 mm	✓
2.0C-H4A-25G-DP1-IR	2.0	✓	✓	✓	256 G	3 - 9 mm	✓
3.0C-H4A-25G-DP1-IR	3.0	✓	✓	✓	256 G	3 - 9 mm	✓
H4A-MT-WALL1	Indoor/Outdoor Pendant Wall Arm Mount						

H4A-MT-WALL1	Indoor/Outdoor Pendant Wall Arm Mount
H4A-MT-NPTA1	Indoor/Outdoor Pendant NPT Mount
H4A-DP-SMOK1	Dome Camera Cover with Smoked Bubble
H4A-DP-CLER1	Dome Camera Cover with Clear Bubble
H4-MT-POLE1	Aluminum pole mounting bracket for H4 HD Pendant Dome Cameras and H4 HD Bullet Cameras
H4-MT-CRNR1	Aluminum corner mounting bracket for H4 HD Pendant Dome Cameras and H4 HD Bullet Cameras
H4A-AC-GROM1	Camera Sealing Grommet, Pack of 10
H4-AC-WIFI1-NA	USB Wifi Adapter
CM-AC-AVIO1	3.5 mm Jack with 1.8 m Fly Wires
CM-AC-GROM1	Pipe Grommet, Pack of 10

SURFACE MOUNT OUTDOOR DOME CAMERAS	MP	WDR	LIGHTCATCHER	ANALYTICS	STORAGE	LENS	IR
1.0C-H4A-12G-DO1-IR	1.0	✓	✓	✓	128 G	3 - 9 mm	✓
2.0C-H4A-25G-DO1-IR	2.0	✓	✓	✓	256 G	3 - 9 mm	✓
3.0C-H4A-25G-DO1-IR	3.0	✓	✓	✓	256 G	3 - 9 mm	✓

H4A-DO-SMOK1	Outdoor Dome Camera Cover with Smoked Bubble			
H4A-DO-CLER1	Outdoor Dome Camera Cover with Clear Bubble			
H4-AC-WIFI1-NA	USB Wifi Adapter			
H4A-AC-GROM1	Camera Sealing Grommet, Pack of 10			
CM-AC-AVIO1	3.5 mm Jack with 1.8 m Fly Wires			
CM-AC-GROM1	Pipe Grommet, Pack of 10			