avigilon™
a Motorola Solutions Company

H5A Corner Camera

3 MP **5 MP**

The Avigilon H5A Corner camera is an anti-ligature and no-grip solution that is purpose-built to withstand the harshest attempts to destroy, detach, attach or disable it. Facilities seeking a vandal-resistant camera such as jails, prisons, hospitals or general applications (e.g. high schools) can leverage the camera's wide field of view and superior image quality for optimal situational awareness.

As an Avigilon H5 platform camera, the H5A Corner Camera is embedded with Next-Generation Video Analytics for enhanced object detection and classification, Unusual Activity Detection (UAD), Facial Recognition technology and Avigilon Appearance Search™ technology support to help ensure critical events do not go unnoticed.





Features

NEXT-GENERATION VIDEO ANALYTICS
Detects more objects with expanded object classifications and greater accuracy for faster responses, even in crowded scenes.

H.264 AND H.265 WITH HDSM SMARTCODEC™ TECHNOLOGY
Optimizes compression levels for regions in a scene to help maximize bandwidth savings and keep internet connectivity costs down.

FIPS 140-2 COMPLIANT
Enables the camera to be deployed at sites requiring FIPS-compliant cryptography.

ONVIF® COMPLIANT
Native ONVIF Profile S, T and G compliance allows easy integration with existing ONVIF infrastructures.

AUDIO RECORDING CAPABILITIES
Records audio evidence via a built-in microphone that can be disabled if desired.

EASY TO CLEAN & REPAIR
Stainless steel variant and water-resistant design makes it easy to clean. Part replacements are simple using conventional tools without having to remove the entire camera, minimizing downtime.

WATER, IMPACT & ENCLOSURE RATED
IP67 rating for water resistance, IK10+ impact rating for vandal resistance and NEMA 4X enclosure rating* for windblown dust, water (e.g. rain, hose-directed water) and corrosion resistance.

EXTENDED TEMPERATURE RANGE
Continuously records between -40° C to 55° C (-40° F to 131° F).

INVISIBLE IR LED LIGHT
Ensures there is no visible glow to disturb the subject being monitored or notify them that the camera is on.

LIGHTCATCHER™ TECHNOLOGY
Offers excellent image detail in low-light settings.

ONVIF is a trademark of Onvif, Inc.

* NEMA 4X rating only applies to the stainless steel variant.

Specifications

			3.0 MP	5.0 MP
IMAGE PERFORMANCE	Image Sensor		1/2.8” progressive scan CMOS	
	Max Resolution (H x V) and Aspect Ratio		(4:3) 2048 x 1536 (16:9) 1920 x 1080	(4:3) 2592 x 1944 (16:9) 2560 x 1440
	Dynamic Range	WDR Off	83 dB	
		WDR On	126 dB	
	Max Image Rate		WDR off (50 Hz/60 Hz): 25 fps/30 fps WDR on (50 Hz/60 Hz): 20 fps/20 fps	
	Bandwidth Management		HDSM SmartCodec technology; Idle scene mode	
	3D Noise Reduction Filter		Yes	
LENS AND IR ILLUMINATION	Lens		3 - 9 mm	
	IR Illumination Max Distance[1] (high power 940 nm LED)		15 m (49 ft)	
	Minimum Illumination		0.027 lux in color mode, 0.014 lux in monochrome mode, 0 lux with IR	
	Horizontal Angle of View Based on Aspect Ratio		(16:9)(4:3) 34° – 105°	
	Vertical Angle of View Based on Aspect Ratio		(16:9) 19° – 57° (4:3) 26° – 77°	
	Max Aperture		F1.3	
	Control		P-Iris, Remote Focus and Zoom	

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

IMAGE CONTROL	Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
	Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG, HDSM™ 2.0
	Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection
	Camera Tamper Detection	Yes
	Electronic Shutter Control	Automatic, Manual (1/7 to 1/8196 sec)
	Iris Control	Automatic, Open, Closed
	Day/Night Control	Automatic, Manual
	Flicker Control	60 Hz, 50 Hz
	White Balance	Automatic, Manual
	Backlight Compensation	Adjustable
	Privacy Zones	Up to 64 zones
NETWORK	Network	100BASE-TX, RJ45 Connector, CAT5e Cabling
	ONVIF	ONVIF compliance version 1.02, 2.00, Profile S, Profile T, Profile G (www.onvif.org)
	Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1
	Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP
	Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
	Device Management Protocols	SNMP v2c, SNMP v3
PERIPHERALS	USB Port	USB 2.0
	Onboard Storage	microSD/microSDHC/microSDXC slot – class 10/UHS-1 or better recommended
AUXILIARY I/O	Audio Compression Method	G.711 PCM 8 kHz, Opus
	Audio Input/Output	Line level I/O or built-in microphone
	External I/O Terminals	Alarm In, Alarm Out
MECHANICAL	Dimensions (LxWxH)	163 mm x 163 mm x 121 mm; 6.4” x 6.4” x 4.8”
	Weight	3.21 kg (7.2 lbs)
	Dome Bubble	Polycarbonate
	Body	Stainless steel / Cold rolled steel
	Housing	Corner mount, vandal resistant
	Finish	Bead blasted and electro-polished / Powder coat, RAL 9003
	Recording LED	Yes
	Built-in Microphone	Yes
	Adjustment Range	±5° tilt

ELECTRICAL	Power Consumption	13 W max (11 W with no IR or IR disabled)		
	Power Source	VDC: 12 V ± 10%, 12 W min	VAC: 24 V ± 10%, 13 VA min	PoE: IEEE802.3af Class 3 compliant
	RTC Backup Battery	3V manganese lithium		
ENVIRONMENTAL	Operating Temperature	-40 °C to +55 °C (-40 °F to 131 °F)		
	IR Illuminator Behavior	IR illuminator will turn off if the temperature is 50 °C (122 °F) or higher. The illuminator will operate at 50% power if the temperature is between 40 °C (104 °F) and 49 °C (120 °F). Hysteresis: 2 °C (3.6 °F).		
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)		
	Humidity	0 - 95% non-condensing		

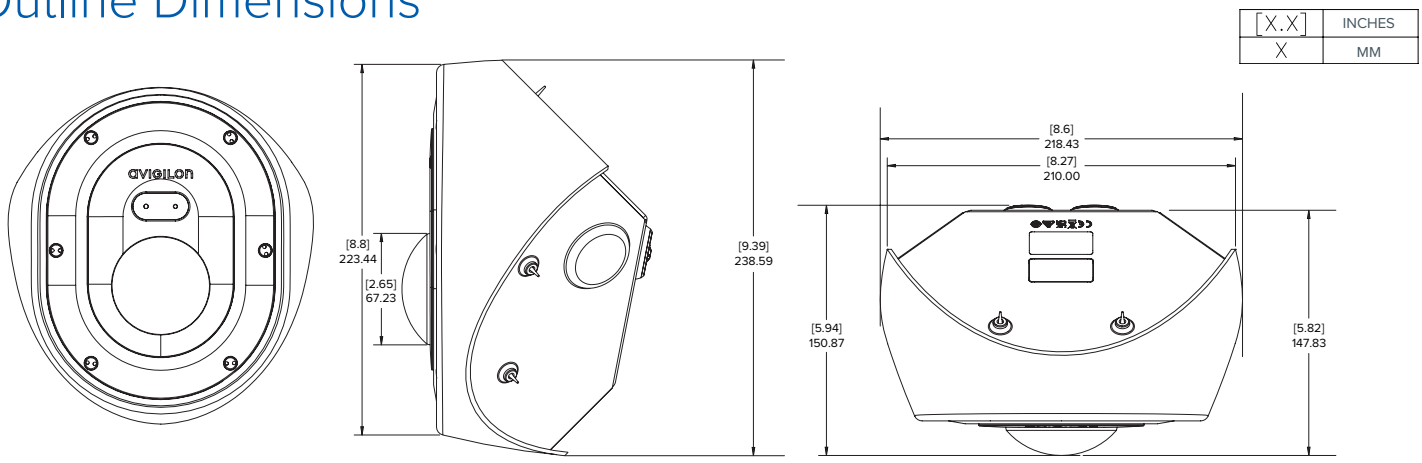
Specifications (Con't)

CERTIFICATIONS	Certifications/Directives	UL, cUL, CE, ROHS, Reach (SVHC), RCM
	Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471 (with -IR option)
	Environmental	UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP67 Weather Rating, NEMA 4X for stainless steel enclosure only, IK10+ Impact Rating
	Electromagnetic Emissions	FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3
	Electromagnetic Immunity	EN 55035, EN 61000-6-1

Analytics Specifications

SUPPORTED 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 moves into the region of interest and then stays 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 moves into a region of interest and then 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 CLASSIFIED OBJECT TYPES	Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person
	Object Types in Indoor Mode	Person
TEACH BY EXAMPLE	Teach By Example	Yes, when used with Avigilon Control Center™
AVIGILON CONTROL CENTER (ACC) VERSIONS SUPPORTED FEATURES	ACC Version 6.14.12 or higher	All supported analytic events with two types of classified objects: person or vehicle. Appearance search when paired with appropriate server hardware. H.265 supported.
	ACC Version 7.2 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. H.265 supported.

Outline Dimensions



Ordering Information

	MP	WDR	Analytics	Lens	IR	Body	Finish
3.0C-H5A-CR1-IR	3.0	✓	✓	3 - 9 mm	✓	Cold Rolled Steel	Powder Coat
3.0C-H5A-CR1-IR-SS	3.0	✓	✓	3 - 9 mm	✓	Stainless Steel	Bead Blasted & Polished
5.0C-H5A-CR1-IR	5.0	✓	✓	3 - 9 mm	✓	Cold Rolled Steel	Powder Coat
5.0C-H5A-CR1-IR-SS	5.0	✓	✓	3 - 9 mm	✓	Stainless Steel	Bead Blasted & Polished

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

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