

H5A-PTZ Camera

4 MP 8 MP

The Avigilon H5A Pan-Tilt-Zoom (PTZ) camera brings wide area coverage, high-speed movement and long range detail, empowering security operators with 360° views to monitor large areas with ease, including greater zooming capabilities for evidentiary detail. This powerful camera delivers high-quality, detailed images with up to 36x zoom, which is ideal for critical infrastructure, public safety, sports and leisure, commercial buildings, transportation and large open areas (e.g. parking lots) for superior situational awareness.

As an Avigilon H5 platform camera, the H5A-PTZ 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.



LIGHTCATCHER[™] TECHNOLOGY

Offers exceptional detail in areas with low lighting.



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



EASY TRANSITION FROM H4 PTZ TO H5A-PTZ Field-replaceable parts allow for an easy transition from

H4 PTZ cameras to H5A-PTZ cameras.





LONG RANGE DETAIL

4 and 8 MP with 36x zooming capabilities sets a new standard for high-performance 36x PTZ cameras with greater evidentiary detail.



WATER, IMPACT AND ENCLOSURE RATED

IP66/7 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.

WIDE DYNAMIC RANGE*



Captures details in scenes with both very bright and very dark areas.



FIPS 140-2 COMPLIANT

Enables the camera to be deployed at sites requiring FIPScompliant cryptography.

WIDE AREA COVERAGE



Provides 360° zoomable views in high-resolution to monitor large areas with ease.

Specifications

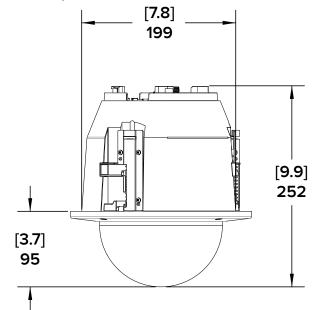
			4.0 MP	8.0 MP			
IMAGE	Image Sensor		1/2.5" Type "Exmor R" CMOS Sensor				
PERFORMANCE	Active Pixels	(H × V)	2688 (H) × 1512 (V)	3840 (H) × 2160 (V)			
	Imaging Area (H x V)		6.2 mm × 3.5 mm; 0.244" × 0.138"				
	Minimum Illumination		0.3 lux (F/2.0) in color mode; 0.09 lux (F/2.0) in monochrome				
	Image Rate		Up to 30 fps				
	Aspect Ratio	(Resolution	Down to (16:9) 384×216 or (5:4) 320×256				
	Scaling)						
	3D Noise Re	duction Filter	Yes				
LENS	Lens		4.4 mm to 88 mm, F/2.0 – F/3.8				
LENS		Horizontal	69.7° – 2.2°				
	Angle of View	Vertical	42.8° – 1.3°				
	Zoom		36x (with image stabilization off), 30x (with image stabilization on)				
IMAGE CONTROL	Video Compression		H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG				
	Streaming		Multi-stream H.264, Multi-stream H.265, Motion JPEG				
	Motion Dete	ction	Pixel motion: Selectable sensitivity and threshold. Classified object detection				
	Electronic Shutter Control		Automatic, Manual (1/1 to 1/10,000 sec)				
	Iris Control		Automatic, Open, Closed				
	Day/Night Co	ontrol	Automatic, Manual				
	Flicker Contr	ol	60 Hz, 50 Hz				
	White Balance	ce	Automatic, Manual				
	Backlight Co	mpensation	On/Off				
	Privacy Zones		3D, up to 64 zones				
	Presets		500 named presets				
	Tours		10 named tours				
	Audio Compression Method		G.711, Opus				
	Digital Zoom		Up to 100x when used with ACC [™] Client				
	Electronic Image Stabilization						
	Digital Defog		Adjustable/Off				
NETWORK	Network		100BASE-TX				
	Cabling Type		CAT5e				
	Connector		RJ-45				
	ONVIF		ONVIF compliance version 1.02, 2.00, Profile S, Profile T, Profile G (www				
	Security		Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1				
	Protocol Stroaming Protocols		IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP				
	Streaming Protocols Device Management		RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP				
	Protocols		SNMP v2c, SNMP v3				
PERIPHERALS	Audio Input/C	Dutput	Line level input and output				
	External I/O	Terminals	2 Alarm In, 2 Alarm Out				
	Onboard Storage		2 × microSD/microSDHC/microSDXC slot – minimum class 6; class 10/UHS-1 or better recommended.				
MEGUANICAL	D:	(- 10					
MECHANICAL	Dimensions (Ø×H)		228 mm × 252 mm; 9.0" × 9.9"	242 mm × 347 mm; 9.5" × 13.7"			
	Weight		3.4 kg; 7.5 lbs	3.7 kg; 8.2 lbs			
	Dome Bubble		Polycarbonate				
	Body		Aluminum				
	Housing		Recessed mount	Pendant mount			
	Finish		Powder coat, grey				
	Tilt		-10° to 90°, e-Flip, 300°/second				
	Pan		360°, endless, 300°/second				
ELECTRICAL	Power Consumption		51 W may with 24 VDC aux power 75 VA with 24 VAC aux power 51 W	max with 60 W PoE++ 25.5 W max with 30 W PoE+			
LLCINICAL	External		51 W max with 24 VDC aux power, 75 VA with 24 VAC aux power, 51 W max with 60 W PoE++, 25.5 W max with 30 W PoE+				
	Power	Power	24 VDC ±10%; 24 VAC rms ±10%, 50 or 60 Hz				
	Source	PoE*	60 W PoE: IEEE 802.3bt Class 6 PoE++, 60 W Cisco UPoE, Microsemi 6 30 W PoE: IEEE 802.3bt, 802.3at Class 4 PoE+	0 W or higher midspans			
	Power Connector		Red and Black input wires				
	RTC Backup Battery		3V manganese lithium				
	* 60W PoE may not be com		patible with switches and injectors not listed here. Contact Avigilon sales or Avigilon technical support for more information.				

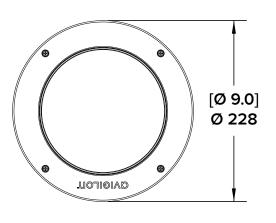
Surging Temperature 10 °C to -60 °C (14 °F to 140 °F) with IEEE 802.3at 30 W PG+1 10 °C to -60 °C (14 °F to 140 °F) with IEEE 802.3at 30 W PG+1 Surging Temperature 0.0 °C to -70 °C (14 °F to 158 °F) 10 °C to -60 °C (14 °F to 140 °F) with IEEE 802.3at 30 W PG+1 Humidily 0.95%, non-condensing 0.95%, non-condensing CERTIFICATION Certifications/Directives UL, cUL, CE, ROHS, RCM Safety UL 623061, ICCN 620528.1 ICCN 620529 IPG and IPG7 Weather Rating, NEMA 4X Electromagnetic Emission FCC Part 15 Suppert B Class B, ICCS-003 Class B, EN 55032 Class B, EN 55032 Class B, EN 51000-6.4, EN 61000-6.4, EN 61000-3.2, EN 61000-3.2, EN 61000-3.3, EN 501214 Electromagnetic Emission FCC Part 15 Suppert B Class B, ICCS-003 Class B, EN 55032 Class B, EN 55032 Class B, EN 51000-6.4, EN 61000-6.4, EN 61000-3.2, EN 61000-6.4, EN 61000-6.4, EN 61000-3.2, EN 61000-6.4, EN 610000-6.4, EN 61000-6.4, EN 61000-6.4, EN 610000-6.4, EN			IN-CEILING MOUNT	PENDANT MOUNT				
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Safety UL 62368-1, CSA 62368-1, IEC/EN 62368-1 Environ In-Celling IEC 62226 IXI0 Impact Rating, UL 2043 Environ In-Celling IEC 62226 IXI0 Impact Rating, UL 2043 Electromagnetic Emission FCC Part IS Subpart B Class B, IC (CES-002 Class B, EN 6000-6-3, EN 61000-6-4, EN 61000-3-3, EN 61000-3-2, EN 61000-3-3, EN 61000-3-2, EN 6100-3-2, EN 61000-3-2, EN 61000-		Humidity	0-95%, non-condensing	0-95%, non-condensing				
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Outline Dimensions

In-Ceiling PTZ Dome Camera

(H5A-PTZ-DC)

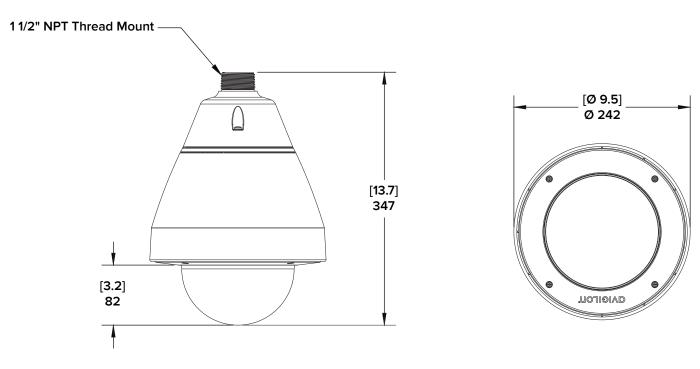




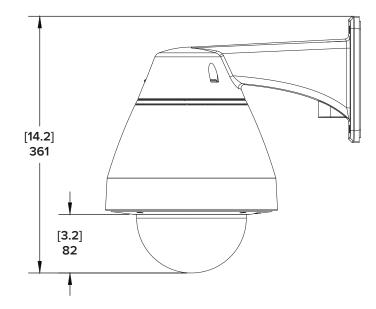
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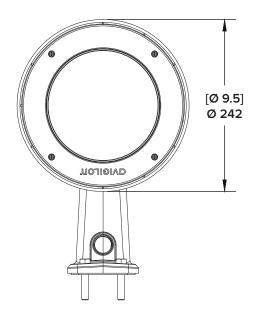
Pendant PTZ Dome Camera

(H5A-PTZ-DP)



(H5A-PTZ-DP) WITH WALL ARM





Ordering Information

PTZ DOME CAMERAS	MP	WDR	LIGHTCATCHER TECHNOLOGY	ANALYTICS AT HOME POSITION	LENS	ZOOM	IP66/IP67	HDSM SMARTCODEC
4.0C-H5A-PTZ-DP36	4.0	Digital WDR	\checkmark	\checkmark	4.4 – 88 mm	36x*	\checkmark	\checkmark
4.0C-H5A-PTZ-DC36	4.0	Digital WDR	\checkmark	\checkmark	4.4 – 88 mm	36x*		\checkmark
8.0C-H5A-PTZ-DP36	8.0	Digital WDR	\checkmark	\checkmark	4.4 – 88 mm	36x*	\checkmark	\checkmark
8.0C-H5A-PTZ-DC36	8.0	Digital WDR	\checkmark	\checkmark	4.4 – 88 mm	36x*		\checkmark

 * 36x zoom is achieved with Image Stabilization off. Image Stabilization set to on will provide 30x zoom.

PTZ CAMERA ACCESSORIES	PENDANT PTZ	IN-CEILING PTZ	DESCRIPTION
IRPTZ-MNT-NPTA1	\checkmark		NPT Pendant Adapter
IRPTZ-MNT-WALL1	\checkmark		Wall Arm Mount
H4-MT-POLE1	\checkmark		Pole Mounting Bracket
H4-MT-CRNR1	\checkmark		Corner Mounting Bracket
PTZMH-DC-CPNL1		\checkmark	Metal Ceiling Panel for In-Ceiling Installation
PTZH5A-CLER1	\checkmark	\checkmark	Clear Bubble Assembly - Replacement
PTZH5A-SMOK1	\checkmark	\checkmark	Smoked Bubble Assembly - Replacement
POE-INJ-BT-60W-NA	\checkmark	\checkmark	Gigabit 802.3bt 60W PoE Injector, single port.
POE-INJ2-PLUS-NA	\checkmark	\checkmark	30W PoE+ Injector. Injector operational temperature range is -20°C (-4°F) to 40°C (104°F). NA/EU/UK/AU options available.
PTZ-ACCS-IC-RETRO		\checkmark	H4 In-Ceiling PTZ audio retrofit kit
H5PTZ-ACCS-CABL1	\checkmark		Cable gland nut kit, pack of 10