

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

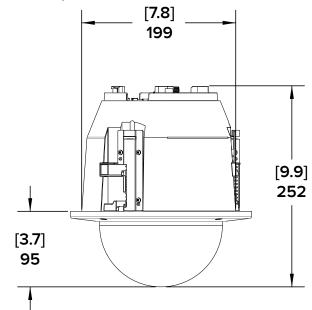
opeen								
			4.0 MP	8.0 MP				
IMAGE PERFORMANCE	Image Senso		1/2.5" Type "Exmor R" CMOS Sensor					
PERFORMANCE	Active Pixels		2688 (H) × 1512 (V)	3840 (H) × 2160 (V)				
	Imaging Area (H x V)		6.2 mm × 3.5 mm; 0.244" × 0.138"					
	Minimum Illu	mination	0.3 lux (F/2.0) in color mode; 0.09 lux (F/2.0) in monochrome					
	Image Rate		Up to 60 fps	Up to 30 fps				
	Aspect Ratio Scaling)	(Resolution	Down to (16:9) 384×216 or (5:4) 320×256					
	3D Noise Re	duction Filtor	Yes					
	SD NUISE RE		les					
LENS	Lens		4.4 mm to 88 mm, F/2.0 – F/3.8					
LEINS	Lie des stat		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 Detection		Pixel motion: Selectable sensitivity and threshold. Classified object detection					
		nutter Control	Automatic, Manual (1/1 to 1/10,000 sec)					
	Iris Control		Automatic, Manual (in to in 6,000 sec)					
	Day/Night Control		Automatic, Manual					
	Flicker Contr	ol	60 Hz, 50 Hz					
	White Balanc	ce	Automatic, Manual					
	Backlight Co	mpensation	On/Off					
	Privacy Zones		3D, up to 64 zones					
	Presets		500 named presets					
	Tours		10 named tours					
	Audio Comp	ression	G711 Opus					
	Method		G.711, Opus					
	Digital Zoom		Up to 100x when used with ACC [™] Client					
	Electronic Image Stabilization							
	Digital Defog	J	Adjustable/Off					
NETWORK	Notwork							
NETWORK	Network		100BASE-TX					
	Cabling Type		CAT5e					
	Connector							
	ONVIF Security		ONVIF compliance version 1.02, 2.00, Profile S, Profile G (www.onfiv.org)					
	Protocol		Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1					
		rotocols	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 Sto	orage	2 × microSD/microSDHC/microSDXC slot – minimum class 6; class 10/U	IHS-1 or better recommended.				
			IN-CEILING MOUNT	PENDANT MOUNT				
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 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+					
	External							
	Power Source	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.					

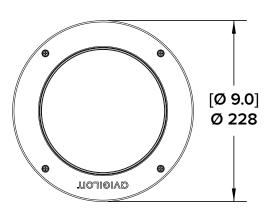
Surging Temperature 10 °C to -60 °C (14 °F to 140 °F) with IEEE 802.3at 30 W PG+1 10 °C to -60 °C (14 °F to 140 °F) with IEEE 802.3at 30 W PG+1 Surging Temperature 0.0 °C to -70 °C (14 °F to 158 °F) 10 °C to -60 °C (14 °F to 140 °F) with IEEE 802.3at 30 W PG+1 Humidily 0.95%, non-condensing 0.95%, non-condensing 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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Outline Dimensions

In-Ceiling PTZ Dome Camera

(H5A-PTZ-DC)

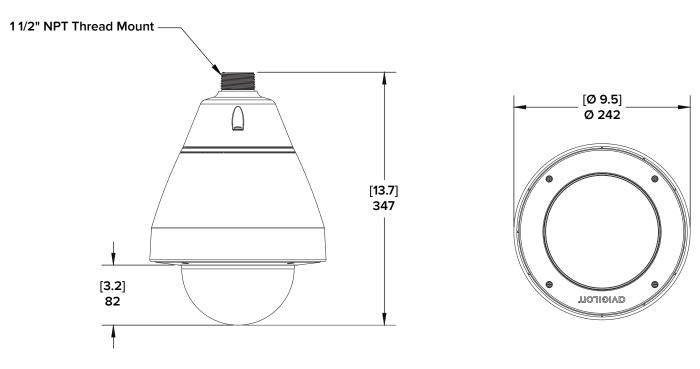




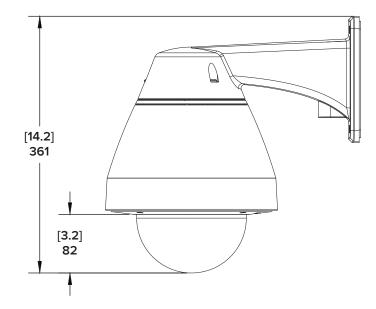
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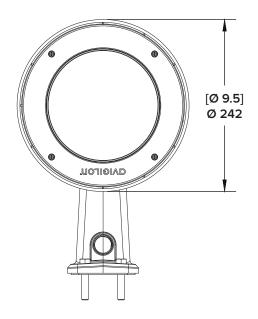
Pendant PTZ Dome Camera

(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. NA/EU/AU options available.
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