H6A and H6X Dome Cameras

Flexibility And Compliance At Your Fingertips



The Avigilon **H6A camera line** elevates your situational awareness to new heights by combining onboard video analytics with audio analytics. It comes with a built-in mic to alert you of auditory disturbances, allowing you to not only see, but also hear what's happening. If you need to meet certain privacy and/or cybersecurity requirements, the Al-powered **H6X camera line** has been designed with no built-in mic nor wireless technology for easy compliance. See farther distances and secure more ground with the **dome bullet** form factor that's available on both camera lines.







AdaptAl Video Analytics

Be a step ahead of incidents with the camera's ability to flag unusual crowds or a person crawling along your perimeters. Classify more objects such as a van, pick-up truck or large truck with analytics event support.

Audio Analytics & Recording

Expand your awareness with alerts for breaking glass, screaming and more. Review video from the triggering camera to investigate the sound. Have the option to record audio when you need it.

Dynamic Privacy Masking

Easily meet privacy requirements with the ability to track and blur people and vehicles appearing in video, but have the flexibility for authorized personnel to lift it during investigations.

Outdoor Ready Design

Safeguard the outdoors with the bullet's exceptionally tough exterior that is rated IK10/11, IP66/67/68 and NEMA Type $4X^1$ to withstand impact, water, corrosion and more.

Low-Light Clarity

Never miss a moment in low-light or completely dark conditions with IR illumination built into the bullet camera. Achieve 24/7 visibility of your site at all times.

Secure & Compliant

Trust that your data is well-protected with advanced cybersecurity features such as an onboard FIPS 140-2 level 3 compliant TPM and Secure Boot.

For more information, visit avigilon.com/security-cameras/h6a-dome or avigilon.com/security-cameras/h6x-dome



¹ Environmental ratings will vary by models.

Specifications

Image Performance		2.0 MP	4.0 MP	6.0 MP	8.0 MP (4K Ultra HD)
Image Sensor		1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS		
	Primary	(16:9) 1920 x 1080	(16:9) 2688 x 1520, 2560 x 1440, 1920 x 1080 (4:3) 1984 x 1488	(16:9) 3328 x 1872, 3200 x 1800, 2688 x 1520, 2560 x 1440, 1920 x 1080 (4:3) 2880 x 2160, 2304 x 1728, 2048 x 1536	(16:9) 3840 x 2160, 3328 x 1872, 3200 x 1800, 3072 x 1728 (4:3) 2880 x 2160, 2560 x 1920
Max Resolution (H x V) and Aspect Ratio	Secondary	(16:9) 1920 x 1080*, 1280 x 720, 768 x 432, 640 x 360, 512 x 288	(16:9) 2688 x 1520*, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 1984 x 1488*, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288	(16:9) 3328 x 1872*, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 2880 x 2160*, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288	(16:9) 3840 x 2160*, 2560 x 1440, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288 (4:3) 2880 x 2160*, 2560 x 1920, 2304 x 1728, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384
	Tertiary	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1280 x 960, 800 x 600, 640 x 480, 512 x 384, 368 x 264	(16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288, 368 x 264	(16:9) 1920 x 1080 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216 (4:3) 1920 x 1440, 1600 x 1200, 1280 x 960, 800 x 600, 640 x 480, 512 x 384, 384 x 288, 368 x 264
	WDR Off	Up to 83 dB			
Dynamic Range	WDR On (IEC 62676)	Up to 126 dB (dual exposure, 30 fps) Up to 144 dB (triple exposure, 20 fps or less)	Up to 106dB (dual exposure, 30 fps) Up to 136dB (triple exposure, 20 fps or less)	Up to 130dB (dual exposure, 30 fps)	
	WDR On	Up to 130 dB (dual exposure, 30 fps) Up to 150 dB (triple exposure, 20 fps or less)	Up to 120dB (dual exposure, 30 fps) Up to 144dB (triple exposure, 20 fps or less)	Up to 144 dB (dual exposure, 20 fps or less)	
Max Image Rate			Hz/60 Hz): 50 fps/60 fps in High Frame Rate de ¹ , otherwise 25 fps/30 fps (50 Hz/60 Hz): 25 fps/30 fps		
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode			
Signal-to-Noise Ratio(SNR)		> 50 dB			

^{*}Only available at half frame rate of the primary stream.

¹ Max Frame Rate of 60 fps is only achievable with High Frame Rate mode enabled. High Frame Rate mode will disable analytics.

Lens and IR Illumination		2.8 - 12 mm	4.4 - 9.3 mm	10.9 - 29 mm	
IR Illumination Max Distance ² (high power 850 nm LEDs)		50 m (164 ft) full tele 25 m (82 ft) full wide	50 m (164 ft) full tele 25 m (82 ft) full wide	70 m (230 ft) full tele 40 m (131 ft) full wide	
Minimum Illumination	2 MP	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.01 lux in color mode	N/A	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode	
	4 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.003 lux in monochrome mode; 0.008 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode	
	6 MP & 8 MP	N/A	With IR: 0 lux in monochrome mode Without IR: 0.006 lux in monochrome mode; 0.02 lux in color mode	With IR: 0 lux in monochrome mode Without IR: 0.008 lux in monochrome mode; 0.03 lux in color mode	
	2 MP	(16:9) 27° – 119°	N/A	(16:9) 11° – 30°	
Horizontal Angle of View Based on Aspect Ratio	4 MP	N/A	(16:9) 47° – 111° (4:3) 35° – 78°	(16:9) 15° – 42° (4:3) 11° – 31°	
	6 MP & 8MP	N/A	(16:9) 47° – 109° (4:3) 35° – 78°	(16:9) 15° – 42° (4:3) 11° – 31°	
Vertical Angle of View Based on Aspect Ratio	2 MP	(16:9) 15° – 64°	N/A	(16:9) 6° – 16.5°	
	4 MP & 6 MP & 8 MP	N/A	(16:9) 26° – 57° (4:3) 26° – 57°	(16:9) 9° – 23° (4:3) 9° – 23°	
Max Aperture		F1.4	F1.3	F1.7	
Control		Remote Zoom and Focus, Autofocus, IR Cut Filter			

 $^{^{2}\,\}mathrm{IR}$ 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
Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection
Camera Tamper Detection	Yes
Electronic Shutter Control	Automatic, Manual (1/7.5 to 1/15000 sec)
Iris Control	Automatic, Open, Closed, P-iris
Day/Night Control	Automatic, Manual, External
Flicker Control	60 Hz, 50 Hz
White Balance	Automatic, Manual
Backlight Compensation	Adjustable
Image Rotation	0°, 90°, 180°, 270° including Corridor Mode
Privacy Zones	Up to 64 zones
Electronic Image Stabilization	Yes

Network 100BASE-TX for H6A, 1000BASE-T for H6X Cabling CAT5e Connector RJ-45 ONVIF® Compliance Profile S, Profile T, Profile M and 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 (with optional camera license), onboard FIPS 140-2 L3 certified TPM, Secure Boot, Signed and encrypted firmware Protocols IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, HSTS, QoS, DSCP Streaming Protocols RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP, SRTP Device Management Protocols SNMP v2c, SNMP v3 Peripherals USB 2.0 Onboard Storage³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. 3 Tested maximum capacity is 1.5TB. Auxillary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line Ievel input and output	Network					
Connector RJ-45 ONVIF ONVIF® compliance Profile S, Profile T, Profile M and 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 (with optional camera license), onboard FIPS 140-2 L3 certified TPM, Secure Boot, Signed and encrypted firmware Protocols IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, HSTS, QoS, DSCP Streaming Protocols RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP, SRTP Device Management Protocols SNMP v2c, SNMP v3 Peripherals USB Port USB 2.0 Onboard Storage³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. 3 Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	Network 100BASE-TX for H6A, 1000BA		100BASE-TX for H6A, 1000BASE-	Γ for H6X		
ONVIF® compliance Profile S, Profile T, Profile M and 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 (with optional camera license), onboard FIPS 140-2 L3 certified TPM, Secure Boot, Signed and encrypted firmware Protocols IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, HSTS, QoS, DSCP Streaming Protocols RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP, SRTP Device Management Protocols SNMP v2c, SNMP v3 Peripherals USB Port USB 2.0 Onboard Storage³ Two microSD/microSDHC/microSDXC slots = video speed class card required. Class V10 or better recommended. 3 Tested maximum capacity is 1.5TB. Auxilliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Line level input and output	Cabling		CAT5e			
Security Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license), onboard FIPS 140-2 L3 certified TPM, Secure Boot, Signed and encrypted firmware Protocols IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, HSTS, QoS, DSCP Streaming Protocols RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP, SRTP Device Management Protocols SNMP v2c, SNMP v3 Peripherals USB Port USB 2.0 Onboard Storage ³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Line level input and output	Connector		RJ-45			
port based authentication, FIPS 140-2 L1 (with optional camera license), onboard FIPS 140-2 L3 certified TPM, Secure Boot, Signed and encrypted firmware Protocols IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, HSTS, QoS, DSCP Streaming Protocols RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP, SRTP Device Management Protocols SNMP v2c, SNMP v3 Peripherals USB 2.0 Onboard Storage ³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. 3 Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Line level input and output	ONVIF		ONVIF® compliance Profile S, Pro	file T, Profile M and Profile G (www.	onvif.org)	
Streaming Protocols RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP, SRTP Device Management Protocols SNMP v2c, SNMP v3 Peripherals USB Port USB 2.0 Onboard Storage³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. 3 Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	Security		port based authentication, FIPS 140-2 L1 (with optional camera license), onboard FIPS 140-2 L3 certified			
Device Management Protocols SNMP v2c, SNMP v3 Peripherals USB 2.0 Onboard Storage ³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	Protocols					
Peripherals USB Port USB 2.0 Onboard Storage ³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. 3 Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	Streaming Protoco	ols	RTP/UDP, RTP/UDP multicast, RT	P/RTSP/TCP, RTP/RTSP/HTTP/TCF	P, RTP/RTSP/HTTPS/TCP, HTTP, SRTP	
USB Port USB 2.0 Onboard Storage ³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. 3 Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	Device Manageme	nt Protocols	SNMP v2c, SNMP v3			
Onboard Storage ³ Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. 3 Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	Peripherals					
recommended. 3 Tested maximum capacity is 1.5TB. Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	USB Port		USB 2.0			
Auxiliary I/O Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	Onboard Storage ³		· · ·			
Audio Compression Method G.711 PCM 8 kHz, Opus Audio Input/Output Line level input and output	³ Tested maximum cap	pacity is 1.5TB.	1			
Audio Input/Output Line level input and output	Auxiliary I/O					
	Audio Compression Method		G.711 PCM 8 kHz, Opus			
T. 110T 1.1	Audio Input/Output		Line level input and output			
External I/O Terminals 1 x Relay In, 1 x Relay Out, 1 x 12 VDC out at 50 mA	External I/O Terminals		1 x Relay In, 1 x Relay Out, 1 x 12 \	/DC out at 50 mA		
Microphone Built-in microphone for audio analytics, for certain variants, with physical disable switch	Microphone		Built-in microphone for audio analytics, for certain variants, with physical disable switch			
Mechanical Surface Mount In-Ceiling Mount Pendant Mount	Mechanical		Surface Mount	In-Ceiling Mount	Pendant Mount	
Dimensions (DxH) 182 mm x 132 mm; 7.16" x 5.19" 219 mm x 198 mm; 8.62" x 7.79" 182 mm x 190 mm; 7.16" x 7.48"	Dimensions (DxH)		182 mm x 132 mm; 7.16" x 5.19"	219 mm x 198 mm; 8.62" x 7.79"	182 mm x 190 mm; 7.16" x 7.48"	
Accessory Only Dimensions (DxH) N/A 219 mm x 115 mm; 8.62" x 4.52" 155 mm x 65 mm; 6.1" x 2.55"	Accessory Only Dir	mensions (DxH)	N/A	219 mm x 115 mm; 8.62" x 4.52"	155 mm x 65 mm; 6.1" x 2.55"	
Indoor Dome 1.21 kg; 2.66 lbs 1.83 kg; 4.03 lbs 1.63 kg; 3.59 lbs	Woight	Indoor Dome	1.21 kg; 2.66 lbs	1.83 kg; 4.03 lbs	1.63 kg; 3.59 lbs	
Outdoor Dome 1.59 kg; 3.5 lbs 1.99 kg; 4.38 lbs 2.01 kg; 4.43 lbs	Weight	Outdoor Dome	1.59 kg; 3.5 lbs	1.99 kg; 4.38 lbs	2.01 kg; 4.43 lbs	
Dome Bubble Polycarbonate Polycarbonate Polycarbonate	Dome Bubble		Polycarbonate	Polycarbonate	Polycarbonate	
Body Polycarbonate and aluminum Polycarbonate and aluminum Polycarbonate and aluminum	Body		Polycarbonate and aluminum	Polycarbonate and aluminum	Polycarbonate and aluminum	
Housing Surface mount Recessed mount Pendant mount	Housing		Surface mount	Recessed mount	Pendant mount	
Plastic injection mold grey (Pantone 427C) Plastic injection mold grey (Pantone 427C) & Powdercoat black Powdercoat grey & plastic injection mold grey (Pantone 427C)	Finish	Indoor Dome	, , , , , , , , , , , , , , , , , , , ,	(Pantone 427C) & Powdercoat		
Outdoor Dome Powdercoat grey (Pantone 427C) Plastic injection mold grey (Pantone 427C) & Powdercoat grey (Pantone 427C) Powdercoat grey (Pantone 427C)		Outdoor Dome		(Pantone 427C) & Powdercoat	Powdercoat grey (Pantone 427C)	
Adjustment Range Pan 360°, Azimuth 349°, Tilt 92°	Adjustment Range		Pan 360°, Azimuth 349°, Tilt 92°			

Electrical					
Power Consumption 2		25W (18W with no IR or IR disabled)			
Dawer Caures	PoE	IEEE 802.3af Class 3	EE 802.3af Class 3		
Power Source	PoE+	IEEE 802.3at Class 4	EE 802.3at Class 4		
IR Illumination	PoE		lluminator will turn off if the temperature is 65°C (149°F) or higher. The illuminator will operate at 50% wer and 25% power if below -25°C (-13°F)		
Behavior	PoE+		lluminator will turn off if the temperature is 65°C (149°F) or higher. The illuminator will operate at 50% wer if the temperature is between 55°C (131°F) and 65°C (149°F) and 50% power if below -25°C (-13°F)		
External Power 1		12-24 VDC +/-10%			
RTC Backup Batter	у	3V manganese lithium			
Memory		4GB RAM, 4GB Flash			
Redundant Power		Seamless failover between F	PoE and Aux and back without interrupt in camera operation (for H6X only)		
Environmental I		Indoor Dome	Outdoor Dome		
PoE Operating		-10°C to +55°C (-14°F to 131°F)	-30°C to +65°C (-22°F to 149°F) with IEEE 802.3af Class 3 (13W PoE)		
Temperature	With External Power or PoE+	-10°C to +55°C (-14°F to 131°F)	-50°C to +65°C (-58°F to 149°F) with external power or IEEE 802.3at Class 4 (25.5W PoE+)		
Startup	PoE	-10°C to +55°C (-14°F to 131°F)	-30°C to +65°C (-22°F to 149°F) with IEEE 802.3af Class 3 (13W PoE)		
Temperature	With External Power or PoE+	-10°C to +55°C (-14°F to 131°F)	-40°C to +65°C (-40°F to 149°F) with external power or IEEE 802.3at Class 4 (25.5W PoE+)		
Absolute Maximum Temperature 7		74 °C (165 °F) per NEMA TS2 (Temp.) para 2.2.7.2 - 2.2.7.7			
Storage Temperature -		-10°C to +70°C (14°F to 158°F)			
Humidity	Humidity		0 - 95% non-condensing		
Certifications					
Certifications/Approvals		UL, cUL, CE, ROHS, RCM, UKCA, NOM, KC, BIS			
Safety Standards		UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471, UL 2043 Plenum (in-ceiling only)			
Environmental	Indoor Dome	IEC 60529 IP54, IEC/EN 62262 IK11 (IK10 Surface Mount w/IR)			
Standards/Ratings	Outdoor Dome		IEC 60529 IP66, IP67, IP68 (2m depth for 2 hours), IPX9K, NEMA 4X, IEC 60068-2 Shock & Vibration, NEMA TS2 Sec 2.2.7-2.2.9, IK11		
Electromagnetic Emissions Standards		61000-3-3,	FCC Part 15 Subpart B Class B, ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 50121-4, EN 50130-4		
Electromagnetic Immunity Standards		EN 55035, EN 61000-6-1	EN 55035, EN 61000-6-1, EN 50121-4, EN 50130-4		
Warranty		Limited 5 Year Warranty (avigilon.com/warranty)			

Analytics Specifications

Supported Analytics Even	ıts
Objects in Area	The event is triggered when the selected object type moves into the region of interest. This event can be used to count objects.
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.
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.
Object Too Close	The event is triggered when two objects are too close together, based on the specified distance set for the event.
Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Smart Motion Rule	Events are sent for person (including crawling) and vehicle present, against default unchangeable parameters.
Tamper Detection	The event is triggered when the scene unexpectedly changes.
Crowd Size	This event is triggered when the number of people is exceeded over a configurable duration.
Unusual Crowd Growth	This event is triggered when a crowd size grows unexpectedly.
Unusual Crowd Size	This event is triggered when an unusual crowd size is detected.
Analytics capabilities, including de	etection range, may vary by camera line. Please consult the Avigilon Self-Learning Video Analytics Design Guide for details.
Supported Classified Obje	ect Types
Object Types in Outdoor Mode	Vehicle, sub-types: Car, Pickup Truck, Large Truck, Van, Bicycle, Motorcycle, Bus Person
Object Types in Indoor Mode	Person
Teach by Example	
Teach By Example	Yes, when used with Avigilon Control Center™ or Avigilon Unity Video

Supported Audio Analytics Events		
Scream	Up to 15 meters	
Glass Break	Up to 15 meters	
Car Alarm	Up to 30 meters	
Smoke Alarm	Up to 15 meters	
Dog Bark	Up to 15 meters	
Metal Crash	Up to 15 meters	
Tire Screech ¹	Up to 15 meters	
Loud Noise	Up to 40 meters	
Ultrasonic Panic Alarm ²	Up to 40 meters	

¹The detection range is limited to up to 8 meters in loud environments.

²The detection range is influenced by the quality and power of the device used to create the panic alarm.

Avigilon Software Supported Features		
Avigilon Unity Video 8.0 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. Unusual Activity Detection. H.265 supported. Audio analytics. Crowd analytics. Classified object privacy masking.	
ACC Version 7.2 or higher	All supported analytic events with people and vehicles as classified objects. Appearance search when paired with appropriate server hardware. Unusual Activity Detection. H.265 supported.	

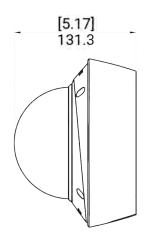
7

Outline Dimensions

H6A Dome Camera with Surface Mount

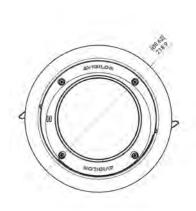
[X.XX]	INCHES
X.X	MM

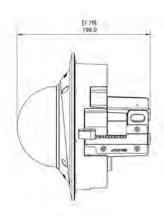




H6A Dome Camera with In-Ceiling Mount (CLADP-1001)

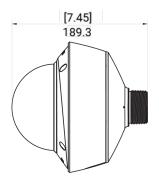
[X.XX]	INCHES
X.X	MM





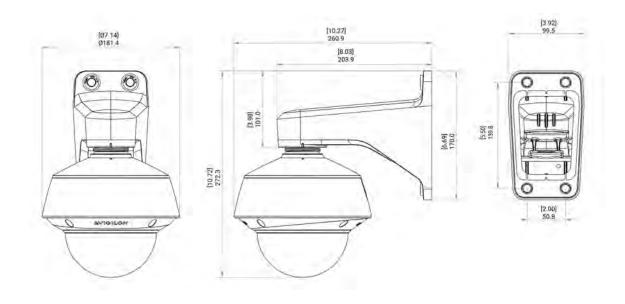
[X.XX]	INCHES
X.X	MM





 $\mbox{H6A}$ Dome Camera with NPT Adapter (H6A-MT-NPTA1) and Pendant Wall Mount (WLMT-1021)

[X.XX]	INCHES
X.X	MM



Ordering Information

Mounting Scenario		Ordering information
Pendant Wall Mount	avaces -	Order one of: Indoor or outdoor surface mount camera H6A-MT-NPTA1 WLMT-1021 Optional: PLMT-1001 (Pole mount adapter) CRNMT-1001 (Corner mount adapter)
Pendant NPT Mount	AVIOILON	Order one of: Indoor or outdoor surface mount camera H6A-MT-NPTA1
Surface Mount	AVIGILON	Order one of: Indoor or outdoor surface mount camera Optional: DMSLD-1001 (weathershield)
In-Ceiling Mount	AVIOLON	Order one of: Indoor or outdoor in-ceiling mount camera CLADP-1001 Optional: CLPNL-1011 (metal ceiling panel)



H6A Outdoor Dome Camera Models

Models	MP	WDR	Lightcatcher Technology	Lens	IR	Analytics	HDSM SmartCodec	Microphone	Seamless Failover
2.0C-H6A-D01	2.0	✓	✓	2.8 - 12 mm		✓	√	√	
2.0C-H6A-D02	2.0	✓	√	10.9 - 29 mm		✓	√	√	
2.0C-H6A-D01-IR	2.0	√	✓	2.8 - 12 mm	✓	✓	√	√	
2.0C-H6A-D02-IR	2.0	✓	√	10.9 - 29 mm	√	✓	√	√	
4.0C-H6A-D01	4.0	✓	✓	4.4 - 9.3 mm		✓	√	√	
4.0C-H6A-D02	4.0	✓	✓	10.9 - 29 mm		✓	√	√	
4.0C-H6A-D01-IR	4.0	✓	✓	4.4 - 9.3 mm	✓	✓	√	√	
4.0C-H6A-D02-IR	4.0	✓	✓	10.9 - 29 mm	✓	✓	√	√	
6.0C-H6A-D01	6.0	✓	✓	4.4 - 9.3 mm		✓	√	√	
6.0C-H6A-D02	6.0	✓	✓	10.9 - 29 mm		✓	√	√	
6.0C-H6A-D01-IR	6.0	✓	✓	4.4 - 9.3 mm	✓	✓	√	√	
6.0C-H6A-D02-IR	6.0	✓	✓	10.9 - 29 mm	✓	✓	√	√	
8.0C-H6A-D01	8.0	✓	✓	4.4 - 9.3 mm		✓	√	√	
8.0C-H6A-D02	8.0	✓	✓	10.9 - 29 mm		√	√	√	
8.0C-H6A-D01-IR	8.0	✓	✓	4.4 - 9.3 mm	√	√	√	√	
8.0C-H6A-D02-IR	8.0	√	✓	10.9 - 29 mm	√	√	✓	✓	

H6X Outdoor Dome Camera Models

Models	MP	WDR	Lightcatcher Technology		IR		HDSM SmartCodec	Microphone	Seamless Failover
4.0C-H6X-D01-IR	4.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓		✓
4.0C-H6X-D02-IR	4.0	✓	✓	10.9 - 29 mm	✓	✓	✓		✓
8.0C-H6X-D01-IR	8.0	✓	✓	4.4 - 9.3 mm	✓	✓	✓		✓
8.0C-H6X-D02-IR	8.0	✓	✓	10.9 - 29 mm	√	✓	✓		✓



H6A Indoor Dome Camera Models

Models	MP	WDR	Lightcatcher Technology	Lens	IR	Analytics	HDSM SmartCodec	Microphone	Seamless Failover
2.0C-H6A-D1	2.0	√	√	2.8 - 12 mm		✓	√	√	
2.0C-H6A-D2	2.0	√	√	10.9 - 29 mm		✓	√	√	
2.0C-H6A-D1-IR	2.0	√	✓	2.8 - 12 mm	✓	✓	✓	√	
2.0C-H6A-D2-IR	2.0	√	√	10.9 - 29 mm	✓	✓	✓	√	
4.0C-H6A-D1	4.0	√	√	4.4 - 9.3 mm		✓	✓	√	
4.0C-H6A-D2	4.0	√	√	10.9 - 29 mm		√	✓	√	
4.0C-H6A-D1-IR	4.0	√	√	4.4 - 9.3 mm	✓	√	✓	√	
4.0C-H6A-D2-IR	4.0	√	√	10.9 - 29 mm	✓	✓	✓	√	
6.0C-H6A-D1	6.0	√	✓	4.4 - 9.3 mm		✓	✓	√	
6.0C-H6A-D2	6.0	√	✓	10.9 - 29 mm		✓	✓	√	
6.0C-H6A-D1-IR	6.0	√	✓	4.4 - 9.3 mm	✓	✓	√	√	
6.0C-H6A-D2-IR	6.0	√	✓	10.9 - 29 mm	✓	✓	√	√	
8.0C-H6A-D1	8.0	√	√	4.4 - 9.3 mm		√	✓	√	
8.0C-H6A-D2	8.0	√	√	10.9 - 29 mm		√	✓	√	
8.0C-H6A-D1-IR	8.0	√	√	4.4 - 9.3 mm	√	√	✓	√	
8.0C-H6A-D2-IR	8.0	√	✓	10.9 - 29 mm	✓	✓	√	√	



Camera Accessories

Accessory Part Numbers					
H6A-MT-NPTA1	Pendant NPT adapter				
WLMT-1021	Pendant wall arm, 1.5" NPT female, 20 cm (7.8") long				
CLADP-1001	In-Ceiling adapter				
CLPNL-1011	Metal ceiling panel for suspended ceiling installations				
DMSLD-1001	Weathershield for dome cameras				
DMBBL-1001	Replacement clear dome bubble				
DMBBL-1011	Replacement IR dome bubble				
DMSBL-1001	Optional smoked dome bubble, not compatible with the IR cameras				
CBLKIT-1011	USB adapter cable, for use with USB-AC56 Wifi install kit				
USB-AC56-NA-MSI	USB Wifi adapter install kit (North America)				
USB-AC56-EU-MSI	USB Wifi adapter install kit (Europe)				
GROM-1001	Camera sealing grommet, pack of 10				
GROM-1011	Pipe sealing grommet, pack of 10				
PLMT-1001	Pole mount adapter				
CRNMT-1001	Corner mount adapter				
CAM-FIPS	Camera license to enable FIPS cryptographic module.				



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