H6 MINI DOME CAMERA

2 MP 3 MP 5 MP

The Avigilon H6 Mini Dome brings an exceptional level of protection to indoor spaces with high-resolution images of up to 5 MP, a wide field of view and efficient bandwidth management in a compact design. This makes it an ideal solution for retail, commercial, hospitality and general indoor applications that require a small footprint, fixed lens camera without compromising on interior aesthetics.



FEATURES



INTELLIGENT MOTION, POWERED BY NEXT-GENERATION VIDEO ANALYTICS

Empowers operators to respond faster to potentially critical events with Unusual Activity Detection and classified object motion detection built into the camera.¹



OPTIONAL IR ILLUMINATORS

Offers excellent image detail in low-light settings.



WIDE DYNAMIC RANGE

Captures high-quality image details in scenes with both very bright and very dark areas.

ONVIF® COMPLIANT

ONVIF Profile S and T compliance enables easy integration with existing ONVIF infrastructures. Profile G compliance supports search, playback and retrieval of recordings on the edge.

^{HDSM} ₩k

H.265 & H.264 HDSM SMARTCODEC[™] TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings and keep internet connectivity costs down.



WIDE FIELD OF VIEW

Provides superior situational awareness of a facility with two fixed lens options available: 2.9 mm and 2.4 mm.



QUICK & EASY INSTALLATION

The camera's modular design allows it to snap into various indoor mounting options for fast and easy installations.

FIPS 140-2 COMPLIANT



Brings increased data security with FIPS-compliant cryptography enabled on cameras. $^{\rm 2}$

- ¹ Analytic capabilities on the H6 Mini Dome include Unusual Activity Detection and classified object motion detection to generate motion-based recordings from the presence of classified objects only. Advanced Analytic Event configurations (e.g. Objects in Area), Appearance Search, Face Recognition, and other ACC server analytics are not available for use with H6 Mini Dome cameras.
- ² Optional purchase of FIPS Level 1 camera license of CRYPTR microSD hardware-based encryption and key management for FIPS Level 3 support and certification.

ONVIF is a trademark of Onvif, Inc.



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SPECIFICATIONS

IMAGE PERFORMANCE		2.0 MP	3.0 MP	5.0 MP		
Image Sensor		1/2.8 " Progressive Scan CMOS				
Imaging Area		4.8 mm x 2.7 mm; 0.189 " x 0.106 " 5.18 mm x 3.89 mm; 0.204 " x 0.153 "				
Max Image Rate		(50 Hz/60 Hz): 25 fps/30 fps				
Streaming	Primary	1920 x 1080	2048 x 1536; 1920 x 1080	2592 x 1944; 2048 x 1536; 2560 x 1440; 1920 x 1080		
Resolutions	Secondary	720 x 480; 640 x 360; 512 x 288; 384 x 216	720 x 536; 640 x 480; 512 x 384; 384 x 288; 720 x 480; 640 x 360; 512 x 288; 384 x 216	720 x 536; 640 x 480; 512 x 384; 384 x 288; 720 x 480; 640 x 360; 512 x 288; 384 x 216		
WDR Off		100 dB	100 dB			
Dynamic Range	WDR On	120 dB				
Camera Operating Mode		N/A Full Feature / High Framerate				
Bandwidth Manag	jement	HDSM SmartCodec technology; Idle scene mode				
3D Noise Reductio	on Filter	Yes				
LENS AND IR ILLUMINATION		2.0 MP	3.0 MP	5.0 MP		
Lens		2.95 mm	D1 2.95 mm D2 2.4 mm			
IR Illumination (high power 850 nm LEDs)		10 m (33 ft) max. distance at 0 lux				
With IR		0				
Illumination	Without IR	0.005 lux in monochrome mode; 0.01 lux in color mode	0.01 lux in monochrome mode; 0.02 lux in color mode			
Horizontal Angle of View (HFOV)		(16:9) 108 °	D1 (4:3) 100 ° D1 (16:9) 100 ° D2 (4:3) 123 ° D2 (16:9) 123 °			

Control	Fixed iris		
Max Aperture	F2.0	D1 F2.0 D2 F2.1	
Vertical Angle of View (VFOV)	(16:9) 61 °	D1 (4:3) 75 ° D1 (16:9) 54 ° D2 (4:3) 93 ° D2 (16:9) 69 °	
	(10.9) 108	D2 (4:3) 123 ° D2 (16:9) 123 °	

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 Motion Detection.		
Camera Tamper Detection	Yes		
Electronic Shutter Control	Automatic, Manual (1/7.5 to 1/8000 sec)		
Iris Control	Fixed		
Day/Night Control	Automatic, Manual		
Flicker Control	50 Hz, 60 Hz		
White Balance	Automatic, Manual		
Backlight Compensation	Adjustable		
Privacy Zones	Up to 64 zones		
NETWORK			

NEIWORK				
Network	100BASE-TX			
Cabling Type	CAT5			

NETWORK	
Connector	RJ-45
ONVIF ONVIF compliance Profile S, Profile T 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), FIPS 140-2 L3 (with optional accessory)
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv2, ICMP, DHCP, Zeroconf, ARP, HSTS
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

Onboard Storage

microSD/microSDHC/microSDXC slot – video speed class card required. Class V10 or better recommended.

MECHANICAL		SURFACE MOUNT	IN-CEILING MOUNT	PENDANT MOUNT	
Dimensions	Camera Assembly:	2.9 " x 2.9 " x 2.5 " (75 mm x 75 mm x 63 mm)	3.6 " x 3.6 " x 4.3 " (91 mm x 91 mm x 108 mm)	3.1 " x 3.1 " x 6.1 " (80 mm x 80 mm x 155 mm)	
(L x W x H)	Accessory Only:	N/A	3.6 " x 3.6 " x 3.0 " (91 mm x 91 mm x 78 mm)	3.1 " x 3.1 " x 4.1 " (80 mm x 80 mm x 103 mm)	
Weight		166 g (318 g in box)	54 g (160 g in box; 190 g assembled)	82 g (183 g in box; 218 g assembled)	
Max. Ceiling Thickness		N/A	1.0" (25mm) N/A		
Dome Bubble		Polycarbonate			
Body		Polycarbonate and aluminum			
Housing		Surface mount	Recessed mount Pendant mount		
Finish		Plastic Inj Mold close to RAL9002 and Black; Powdercoat Black	Plastic Inj Mold close to RAL9002 or Black		

ELECTRICAL	SURFACE MOUNT	IN-CEILING MOUNT	PENDANT MOUNT		
Power Consumption	6 W				
Power Source	PoE: IEEE 802.3af Class 2 compliant				
IR Illuminator Behavior IR illuminator will turn off if the temperature is 47 °C (117 °F) or higher. The illuminator will operate at 50% pow temperature is between 45°C (113 °F) and 47 °C (117 °F). Hysteresis: 2 °C (3.6 °F).					
Power Connector N/A					
RTC Backup Battery 3 V manganese lithium					

ENVIRONMENTAL				
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)			
Boot Temperature	0°C to +50 °C (32 °F to 122 °F)			
Storage Temperature	-30 °C to +70 °C (-22 °F to 158 °F)			
Humidity	0 - 95% non-condensing			
Environment	Indoor applications			
CERTIFICATIONS				
CENTROATIONS				
Certifications/Directives	UL, cUL, CE, ROHS, RCM, UKCA, EAC, NOM, KC, BIS			
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471			
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			

EN 55035, EN 61000-6-1

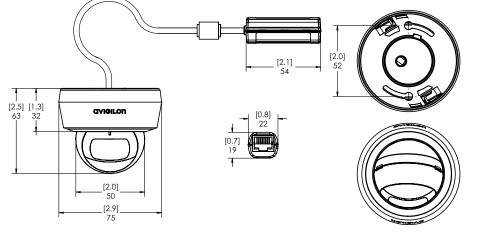
Electromagnetic Immunity

ANALYTICS SPECIFICATIONS

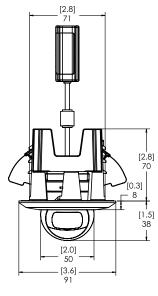
SUPPORTED ANALYTICS EVENTS					
Smart Motion Rule	Motion events are sent for person or vehicle present, based on user selected motion settings.				
Tamper Detection	The event is triggered when the scene unexpectedly changes.				
SUPPORTED CLASSIFIED OBJEC	I TYPES				
Supported Object Types	Vehicle, sub-types: Car, Bicycle, Motorcycle, Bus Person				
TEACH BY EXAMPLE					
Teach By Example	Yes, when used with Avigilon Control Center™				
AVIGILON CONTROL CENTER (ACC) VERSIONS SUPPORTED FEATURES					
ACC Version 7.2 or higher	Motion Search for classified objects and Unusual Activity Detection.				
Activersion 7.2 of higher	H.265 supported.				

OUTLINE DIMENSIONS

SURFACE MOUNT

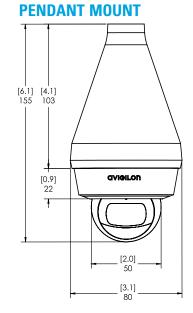


IN-CEILING MOUNT



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[X.X]	INCHES
Х	ММ



ORDERING INFORMATION

	MP	WDR	LIGHTCATCHER TECHNOLOGY	LENS	IR	HDSM SMARTCODEC
2.0C-H6M-D1-IR	2.0	\checkmark	\checkmark	2.9 mm	\checkmark	\checkmark
2.0C-H6M-D1	2.0	\checkmark	\checkmark	2.9 mm		√
3.0C-H6M-D1-IR	3.0	\checkmark	\checkmark	2.9 mm	\checkmark	\checkmark
3.0C-H6M-D1	3.0	\checkmark	\checkmark	2.9 mm		\checkmark
3.0C-H6M-D2-IR	3.0	\checkmark	\checkmark	2.4 mm	\checkmark	\checkmark
5.0C-H6M-D1-IR	5.0	\checkmark	\checkmark	2.9 mm	\checkmark	\checkmark
5.0C-H6M-D2-IR	5.0	\checkmark	\checkmark	2.4 mm	\checkmark	\checkmark
H6M-BZL1-BL	Pack of 5 black surface mount bezels					
H6M-BZL1-GRY	Pack of 5 grey surface mount bezels					
H6M-MT-DCIL1	Grey in-ceiling mount adapter					
H6M-MT-DCIL1-BL	Black in-ceiling mount adapter					
H6M-MT-NPTA1	Grey pendant mount adapter					
H6M-MT-NPTA1-BL	Black pendant mount adapter					

SUPPORT

Learn more and find additional documentation at avigilon.com or email sales@avigilon.com for specific product support.





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