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

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

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, T, G, and M compliance allows easy integration with existing ONVIF infrastructures.

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.[1]

[1] 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.

MOTOROLA SOLUTIONS

AVIGILON™

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 Resolutions	Primary	1920 x 1080	2048 x 1536; 1920 x 1080	2592 x 1944; 2048 x 1536; 2560 x 1440; 1920 x 1080
	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
Dynamic Range	WDR Off	100 dB		
	WDR On	120 dB		
Camera Operating Mode		N/A		Full Feature / High Framerate
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode		
3D Noise Reduction 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		
Minimum Illumination	With IR	0		
	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 °	
Vertical Angle of View (VFOV)		(16:9) 61 °	D1 (4:3) 75 ° D1 (16:9) 54 ° D2 (4:3) 93 ° D2 (16:9) 69 °	
Max Aperture		F2.0	D1 F2.0 D2 F2.1	
Control		Fixed iris		

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	
Network	100BASE-TX
Cabling Type	CAT5
Connector	RJ-45

NETWORK

ONVIF	ONVIF compliance Profile S, Profile T, Profile G, and Profile M (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

MECHANICAL		SURFACE MOUNT	IN-CEILING MOUNT	PENDANT MOUNT
Dimensions (L x W x H)	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)
	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

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% power if the 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

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
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™

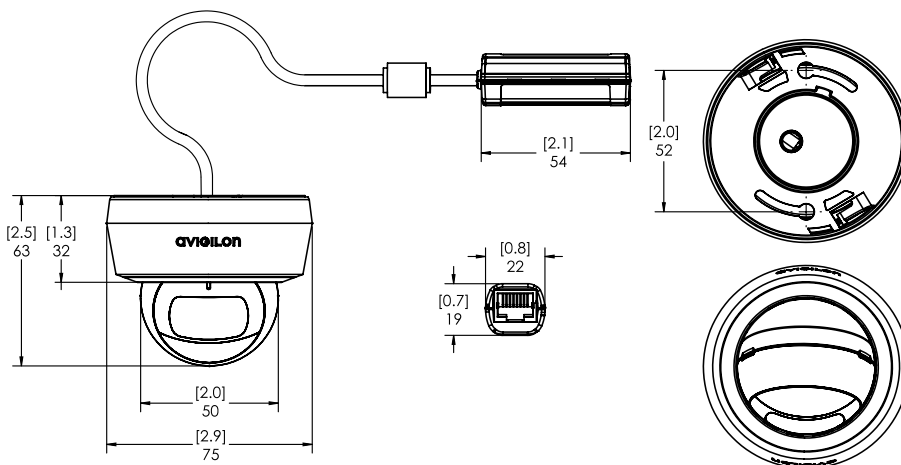| AVIGILON CONTROL CENTER (ACC) VERSIONS SUPPORTED FEATURES	
ACC Enterprise Edition Version 6.14.12 or higher	All supported analytic events with two types of classified objects: person or vehicle.
ACC Enterprise Edition Version 7.2 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects.

Analytic capabilities on the H6 Mini Dome Camera include Unusual Activity Detection, Classified Object Detection and Advanced Analytic Event configurations (e.g. Objects in Area).

Appearance Search, Face Recognition, and other ACC server analytics are not available for use with the H6 Mini Dome Camera.

Analytics capabilities, including detection range, may vary by camera line. Consult the Avigilon Self-Learning Video Analytics Design Guide for details specific to the H6 Mini Dome Camera.
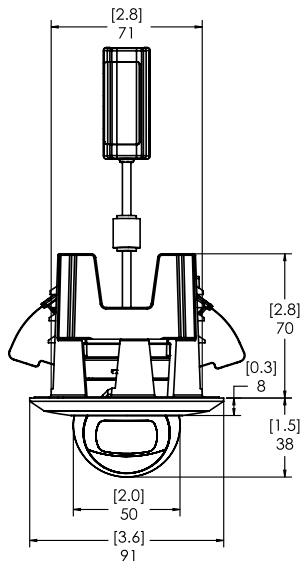
OUTLINE DIMENSIONS

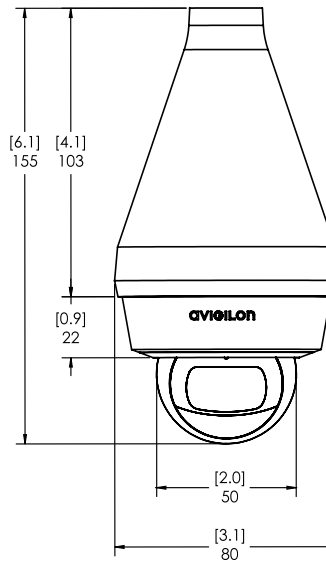| [X.X]	INCHES
X	MM

SURFACE MOUNT

IN-CEILING MOUNT

PENDANT MOUNT

ORDERING INFORMATION

	MP	WDR	LIGHTCATCHER TECHNOLOGY	LENS	IR	HDSM SMARTCODEC
2.0C-H6M-D1-IR	2.0	✓	✓	2.9 mm	✓	✓
2.0C-H6M-D1	2.0	✓	✓	2.9 mm		✓
3.0C-H6M-D1-IR	3.0	✓	✓	2.9 mm	✓	✓
3.0C-H6M-D1	3.0	✓	✓	2.9 mm		✓
3.0C-H6M-D2-IR	3.0	✓	✓	2.4 mm	✓	✓
5.0C-H6M-D1-IR	5.0	✓	✓	2.9 mm	✓	✓
5.0C-H6M-D2-IR	5.0	✓	✓	2.4 mm	✓	✓

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.

MOTOROLA SOLUTIONS

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