H4 Mini Dome Camera

The H4 Mini Dome is the smallest and most discreet camera within the Avigilon H4 platform, ideal for space-constrained applications requiring a minimal footprint surveillance camera. The innovative and modular design of this camera line allows it to snap into surface or in-ceiling mount adaptors to easily fit challenging installations. This camera line provides exceptional image quality, LightCatcher™ technology, dual exposure true Wide Dynamic Range (WDR) and adaptive IR on selected variants, all at an entry level price point. Using HDSM SmartCodec™ technology, Idle Scene Mode technology and patented High Definition Stream Management™ technology, H4 Mini Dome cameras minimize bandwidth and storage requirements, while maintaining a high-quality image.

Standard surface mount model has a footprint of only 2.9 inches, extending 2.0 inches from the installation surface. The optional in-ceiling adapter offers a profile of only 1.5 inches, with a footprint of 3.5 inches. This camera line is ideal for space-constrained or discreet applications while providing an aesthetically pleasing solution for indoor environments such as hallways, public entrances and lobbies of banks, schools, retail outlets and hotels.

H4 Mini Dome's state-of-the art modular design allows it to snap into your choice of base, easily switching between surface and in- ceiling mounts. This design reduces installation time and provides flexibility to installers. The optional black bezel provides further customization options to match the environment.

Combining the powers of our HDSM™, HDSM SmartCodec, and Idle scene mode technologies along with the easy to install modular design, the H4 Mini Dome camera line provides a reliable security solution with minimal total cost of ownership.
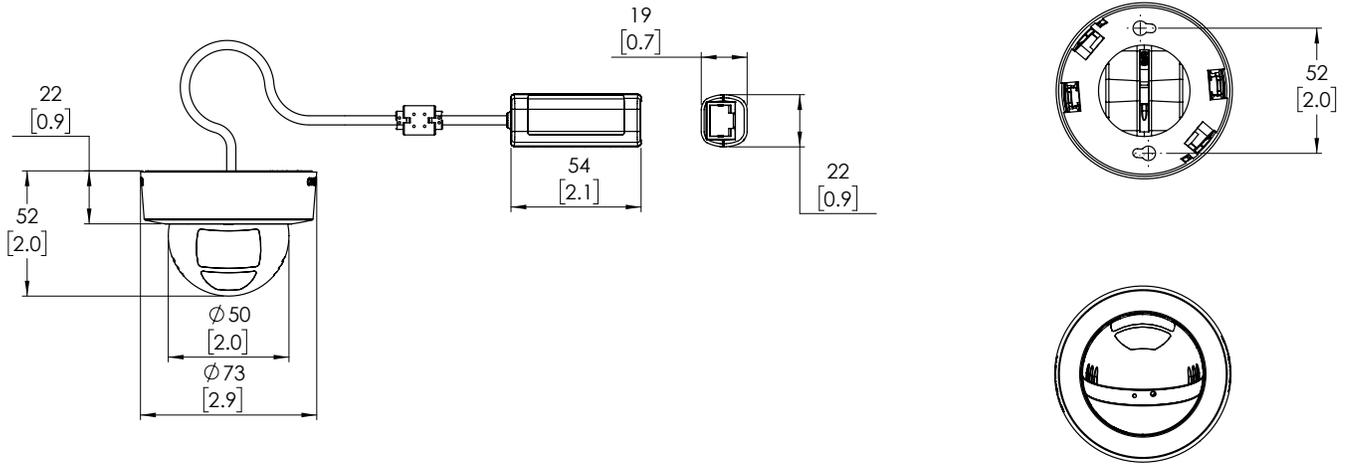
KEY FEATURES

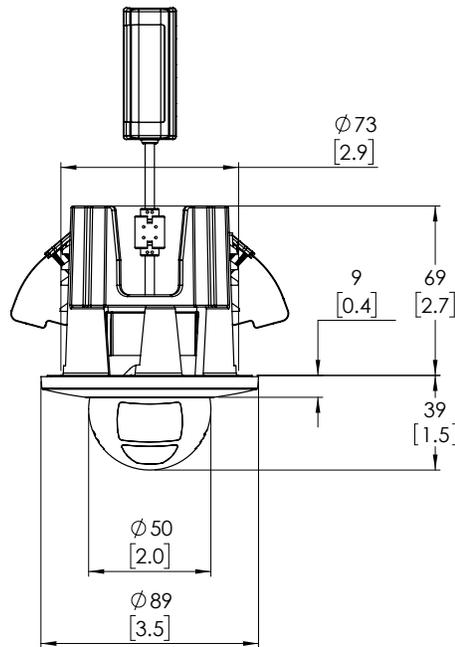| |
|---|
| 1.3, 2.0 and 3.0 megapixel resolution models |
| Fixed 2.8mm, f1.2 lens |
| Small, discreet form factor ideal for indoor applications |
| Innovative modular design for quick and easy installation |
| Content adaptive IR technology provides effective illumination through the field of view, while maintaining exceptional scene illumination |
| Avigilon LightCatcher technology provides exceptional image quality in low light environments |
| Dual exposure Wide Dynamic Range for complex lighting environments |
| Integrated IR LEDs provide uniform illumination in the dark, even at 0 lux, up to maximum of 10m (32ft) IR on selected models |
| Avigilon HDSM SmartCodec Idle scene mode technology for reduced bandwidth and storage requirements |
| Integrates with Avigilon Control Center™ video management software (VMS), and is ONVIF-compliant for integration with a third party VMS |

Specifications

		1.3 MP	2.0 MP	3.0 MP
IMAGE PERFORMANCE	Image Sensor	1/2.8" Progressive Scan CMOS		
	Aspect Ratio	5:4	16:9	4:3
	Active Pixels (H x V)	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
	Imaging Area (H x V)	3.7 mm x 3.0 mm, 0.145" x 0.118"	5.6 mm x 3.1 mm; 0.22" x 0.122"	5.12 mm x 3.84 mm; 0.202" x 0.157"
	Imaging Rate	30 fps	30 fps	20 fps
	Minimum Illumination — With IR	0.01 lux in color mode; 0 lux (F/1.2) in monochrome mode		0.02 lux in color mode; 0 lux (F/1.2) in monochrome mode
	Minimum Illumination — Without IR	0.01 lux in color mode; 0.002 lux (F/1.2) in monochrome mode		0.02 lux in color mode; 0.004 lux (F/1.2) in monochrome mode
	IR Illumination	10 m (33 ft) max. distance at 0 lux		
	Dynamic Range	100 dB		
	Resolution Scaling	Down to 384 x 216		
	3D Noise Reduction Filter	Yes		
LENS	Lens	2.8mm, F1.2, IR Corrected		
	(Aspect Ratio) HFOV	(5:4) 74°; (16:9) 110°		(5:4) 94°; (16:9) 100°; (4:3) 100°
IMAGE CONTROL	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG		
	Streaming	Multi-stream H.264 and Motion JPEG		
	Bandwidth Management	HDSM; HDSM SmartCodec; Idle Scene Mode		
	Motion Detection	Pixel		
	Tamper Detection	Yes		
	Electronic Shutter Control	Automatic, Manual (1/6 to 1/8000 sec)		
	Iris Control	Automatic, Manual		
	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		
	ONVIF	ONVIF compliant with version 1.02, 2.00, Profile S		
	Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication		
	Protocols	IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP		
	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		

		SURFACE MOUNT	IN-CEILING MOUNT
MECHANICAL	Dimensions (LxWxH)	73 mm x 73 mm x 52 mm; 2.9" x 2.9" x 2.0"	89 mm x 89 mm x 39 mm; 3.5" x 3.5" x 1.5"
	Max. Ceiling Thickness	n/a	1.0"
	Cable Assembly Length	24cm; 9.4"	
	Weight	H4M-D1 - 118 g, 0.26 lbs	H4M-D1 - 152 g, 0.34 lbs
	Body	Polycarbonate and aluminum	
	Housing	Polycarbonate	
	Finish	Cool grey, black	
	Adjustment Range	360° pan, -5° to 75° tilt, ±115° azimuth	
ELECTRICAL	Power Consumption	4W	
	Power Source	PoE: IEEE802.3af Class 2 compliant	
	RTC Backup Battery	3V manganese lithium	
ENVIRONMENTAL	Operating 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, WEEE, RCM	
	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 55024, EN 61000-6-1, EN 50130-4	

Outline Dimensions

Surface

22
[0.9]

52
[2.0]

19
[0.7]

54
[2.1]

22
[0.9]

⌀ 50
[2.0]

⌀ 73
[2.9]

52
[2.0]

In Ceiling

⌀ 73
[2.9]

9
[0.4]

69
[2.7]

39
[1.5]

⌀ 50
[2.0]

⌀ 89
[3.5]

[X.X]	INCHES
X	MM

Ordering Information

	MP	WDR	LightCatcher Technology	Lens	IR	HDSM SmartCodec
1.3C-H4M-D1	1.3	✓	✓	2.8 mm		✓
1.3C-H4M-D1-IR	1.3	✓	✓	2.8 mm	✓	✓
2.0C-H4M-D1	2	✓	✓	2.8 mm		✓
2.0C-H4M-D1-IR	2	✓	✓	2.8 mm	✓	✓
3.0C-H4M-D1	3	✓	✓	2.8 mm		✓
3.0C-H4M-D1-IR	3	✓	✓	2.8 mm	✓	✓

H4M-BZL-BL1	Package of 5 black surface mount bezels for H4M dome cameras
H4M-MT-DCIL1	In-ceiling mount adapter for H4M dome cameras
H4M-MT-DCIL1-BL	Black in-ceiling mount adapter for H4M dome cameras

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