1.0 Megapixel Day/Night H.264 HD Outdoor Dome Camera



Avigilon's end-to-end surveillance solutions deliver image detail no other system can match. Avigilon Control Center software, featuring High-Definition Stream Management™ (HDSM™) technology combined with our broad range of megapixel cameras (from 1 MP to 29 MP) provide unprecedented clarity—while effectively managing storage and bandwidth requirements. Our components are scalable and can work together in an end-to-end system, or can be customized to create your own powerful and cost-effective solution.

The innovative H.264 HD dome camera is just one way Avigilon can help provide the very best monitoring and protection.





The 1.0MP H.264 HD outdoor dome camera is a great solution for monitoring both daytime and nighttime outdoor activities. It features an integrated lens for remote focus and zoom control and is ONVIF compliant for no-hassle integration. The 1.0MP dome camera operates on Avigilon's H3 platform, providing this model with improved low light performance and enhanced HDSM features. P-Iris control also allows the camera to automatically set its iris position to maximize image quality in all lighting conditions. This camera is extremely versatile and can work in almost any location, including banks, schools, retail outlets, municipal grounds and buildings, hotels, bars and restaurants.

KEY FEATURES

1.0 megapixel progressive scan CMOS sensor

Unsurpassed image quality

Available with 3-9 mm F1.2 or 9-22 mm F1.6 P-Iris lens with remote focus and zoom

30 images per second at full resolution

69dB true dynamic range

H.264 and Motion JPEG compression

ONVIF compliant API

Multiple video streams

Zoom adaptive IR provides the most effective illumination at all zoom positions

Content adaptive IR prevents image saturation while maintaining optimum scene illumination

Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to maximum of 15 m (50 ft) away $\,$

Automatic removable IR cut filter for IR sensitivity at night

Power over Ethernet, 24 VAC or 12 VDC power input

Audio Input and Output

Analog Video Output

External I/O

Vandal resistant construction and IP66 compliant

Specifications

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CallOHS	1.0-H3-DO1	1.0-H3-DO2
Image Sensor	1/2.7" progressive scan CMOS	
Active Pixels	1280 (H) x 720 (V)	
Imaging Area	5.9 mm (H) x 3.3 mm (V) (0.231" (H) x 0.1	129" (V))
Minimum Illumination	0.2 lux (F1.2) in color mode; 0.02 lux (F1.2) in monochrome mode	0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) in monochrome mode
Dynamic Range	69 dB	
Lens	3-9 mm, F1.2, P-Iris, remote focus and zoom	9-22 mm, F1.6, P-Iris, remote focus and zoom
Angle of View	35° - 98°	15° - 35°
Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JP	EG
Image Rate	30 (all resolutions)	
Streaming	Multi-stream H.264 and Motion JPEG	
Resolution Scaling	Down to 768 x 432	
Motion Detection	Selectable sensitivity and threshold	
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	
Privacy Zones	Up to 4 zones	
Audio Compression Method	G.711 PCM 8 kHz	
Audio Input	Line input, A/V mini-jack (3.5 mm)	
Audio Output	Line level, A/V mini-jack (3.5 mm)	
Video Output	NTSC/PAL, A/V mini-jack (3.5 mm)	
External I/O Terminals	Alarm In, Alarm Out	
IR Illumination (option)	850 nm wavelength, 15 m (50 ft) max. distance of IR illumination at 0 lux	
Network	100BASE-TX	
Cabling Type	CAT5	
Connector	RJ-45	
4.00	610 HE H 14 H 15	

NETWORK

Network	100BASE-TX
Cabling Type	CAT5
Connector	RJ-45
API	ONVIF compliant (www.onvif.org)
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log.
Protocol	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

MECHANICAL

Dimensions (ØxH)	152 mm x 109 mm (6.0" x 4.3")
Weight	1.28 kg (2.82 lbs)
Dome Bubble	Polycarbonate, clear
Body	Aluminum
Housing	Surface mount, vandal resistant
Finish	Powder coat, cool gray 2
Adjustment Range	360° pan, 180° tilt (122° tilt with -IR option), 180° azimuth

ELECTRICAL

Power Consumption	10 W with external power 10 W with IEEE 802.3af Class 3 PoE
Power Source	VDC: 12 V +/- 10%, 10 W min VAC: 24 V +/- 10%, 12 VA min PoE: IEEE802.3af Class 3 compliant
Power Connector	2-pin terminal block
Operating Temperature	-30°C to +50°C (-22°F to 122°F)

ENVIRONMENTAL Operating Temperature

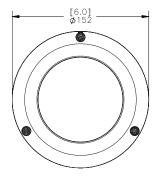
CERTIFICATIONS

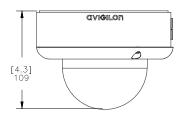
Storage Temperature	-10°C to +70°C (14°F to 158°F)		
Safety	UL 60950 CSA 60950	EN 60950-1 CE	ROHS WEEE
Environmental	IK10 Impact Rating	Meets IP66 Weather Ratin	g
Electromagnetic Emissions	FCC Part 15 Subpart B Class B	IC ICES-003 Class B	EN 55022 Class B
Electromagnetic Immunity	EN 55024 EN 61000-4-2	EN 61000-4-4 EN 61000-4-5	EN 61000-4-6 EN 61000-4-11

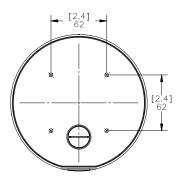
ORDERING INFORMATION

	EN 61000-4-3
1.0-H3-DO1	1.0 Megapixel Day/Night H.264 HD 3-9mm Outdoor Dome Camera
1.0-H3-DO1-IR	1.0 Megapixel Day/Night H.264 HD 3-9mm Outdoor Dome Camera with IR Illuminator
1.0-H3-DO2	1.0 Megapixel Day/Night H.264 HD 9-22mm Outdoor Dome Camera
H3-DOP-SMOKE	Dome Camera Cover with Smoked Bubble

Outline **Dimensions**







[X.X]	INCHES
X	MM