3.0 Megapixel WDR 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 3.0MP 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 3.0MP dome camera operates on Avigilon's H3 platform, providing this model with improved low light performance with wide dynamic range support 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

3.0 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

20 images per second at full resolution

100dB 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

3.0W-H3-DO1
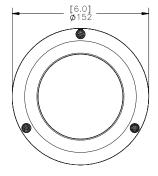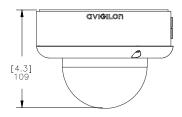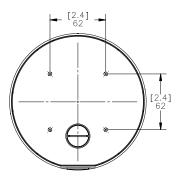3.0W-H3-DO2

Specifications

		3.0W-H3-DO1	3.0W-H3-DO2
CAMERA	Image Sensor	WDR 1/3" progressive scan CMOS	
	Active Pixels	2048 (H) x 1536 (V)	
	Imaging Area	4.5 mm (H) x 3.4 mm (V) (0.177" (H) x 0.133" (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	100 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	28° - 84°	12° - 28°
	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG	
	Image Rate	20 (at full resolution), 30 (at 1920 x 1080 or smaller)	
	Streaming	Multi-stream H.264 and Motion JPEG	
	Resolution Scaling	Down to 480 x 360	
	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	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	
ENVIRONMENTAL	Operating Temperature	-30°C to +50°C (-22°F to 122°F)	
	Storage Temperature	-10°C to +70°C (14°F to 158°F)	
CERTIFICATIONS	Safety	UL 60950 EN 60950-1 ROHS CSA 60950 CE WEEE	
	Environmental	IK10 Impact Rating Meets IP66 Weather Rating	
	Electromagnetic Emissions	FCC Part 15 Subpart B Class B IC ICES-003 Class B EN 55022 Class B	
	Electromagnetic Immunity	EN 55024 EN 61000-4-4 EN 61000-4-6 EN 61000-4-2 EN 61000-4-5 EN 61000-4-11 EN 61000-4-3	
ORDERING INFORMATION	3.0W-H3-DO1	3.0 Megapixel WDR Day/Night H.264 HD 3-9mm Outdoor Dome Camera	
	3.0W-H3-DO1-IR	3.0 Megapixel WDR Day/Night H.264 HD 3-9mm Outdoor Dome Camera with IR Illuminator	
	3.0W-H3-DO2	3.0 Megapixel WDR Day/Night H.264 HD 9-22mm Outdoor Dome Camera	
	H3-DOP-SMOKE	Dome Camera Cover with Smoked Bubble	

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