

3.0 Megapixel WDR Day/Night H.264 HD Indoor 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 indoor dome camera is a great solution for monitoring both daytime and nighttime activities. It features an integrated lens for remote focus and zoom control and is ONVIF compliant for no-hassle integration. The 3.0MP indoor 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

Specifications

	3.0W-H3-D1	3.0W-H3-D2		
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)	138 mm x 104 mm (5.4" x 4.1)	
Weight		0.53 kg (1.17 lbs)		
Dome Bubble		Polycarbonate, clear		
Body		Plastic		
Housing		Surface mount, tamper resistant		
Finish		Plastic, RAL 9003		
Adjustment Range		360° pan, 180° tilt (122° tilt with -IR option), 180° azimuth		
ELECTRICAL	Power Consumption	6 W with external power (10 W for -IR option) 6 W with IEEE 802.3af Class 3 PoE (10 W for -IR option)		
	Power Source	VDC: 12 V +/- 10%, 6 W min (10 W min with -IR option) VAC: 24 V +/- 10%, 8 VA min (12 VA min with -IR option) PoE: IEEE802.3af Class 3 compliant		
	Power Connector	2-pin terminal block		
ENVIRONMENTAL	Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)		
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)		
CERTIFICATIONS	Safety	UL 60950 CSA 60950	EN 60950-1 CE	ROHS WEEE
	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 61000-4-3	EN 61000-4-5 EN 61000-4-4	EN 61000-4-6 EN 61000-4-11
ORDERING INFORMATION	3.0W-H3-D1	3.0 Megapixel WDR Day/Night H.264 HD 3-9mm Indoor Dome Camera		
	3.0W-H3-D1-IR	3.0 Megapixel WDR Day/Night H.264 HD 3-9mm Indoor Dome Camera with IR Illumination		
	3.0W-H3-D2	3.0 Megapixel WDR Day/Night H.264 HD 9-22mm Indoor Dome Camera		
	H3-D-SMOKE	Dome Camera Cover with Smoked Bubble		

Outline Dimensions

