

# 3.0 Megapixel WDR Day/Night H.264 HD 3-9mm In-ceiling 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 HD H.264 dome camera is just one way Avigilon can help provide the very best monitoring and protection.



The 3.0MP H.264 HD in-ceiling dome camera provides discreet coverage for both daytime and nighttime indoor activities. It features an integrated lens for remote focus and zoom control and is ONVIF compliant for no-hassle integration with existing systems. 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
- 3-9mm, F1.2 P-Iris lens with remote focus and zoom
- 20 images per second at full resolution
- 100dB true dynamic range
- 0.2 lux minimum illumination in color mode and 0.02 lux minimum illumination in monochrome mode
- H.264 and Motion JPEG compression
- ONVIF compliant API
- Multiple video streams
- Automatic exposure control and iris control
- 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

<b>CAMERA</b>	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	
	Dynamic Range	100 dB	
	Lens	3-9 mm, F1.2, P-Iris, remote focus and zoom	
	Angle of View	28° - 84°	
	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		
<b>NETWORK</b>	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	
<b>MECHANICAL</b>	Dimensions (ØxH)	167 mm x 130 mm (6.6" x 5.1)	
	Weight	0.56 kg (1.2 lbs)	
	Dome Bubble	Polycarbonate, clear	
	Body	Plastic	
	Housing	Recessed mount, tamper resistant	
	Finish	Plastic, RAL 9003	
	Adjustment Range	360° pan, 180° tilt, 360° azimuth	
<b>ELECTRICAL</b>	Power Source	VDC: 12 V VAC: 24 V PoE: IEEE802.3af Class 3 compliant	
	Power Consumption	5 W	
	Power Connector	2-pin terminal block	
<b>ENVIRONMENTAL</b>	Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)	
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)	
	Humidity	20 - 80% Relative humidity (non-condensing)	
<b>CERTIFICATIONS</b>	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 61000-4-4	EN 61000-4-5 EN 61000-4-6 EN 61000-4-11
<b>ORDERING INFORMATION</b>	3.0W-H3-DC1	3.0 Megapixel WDR Day/Night H.264 HD 3-9mm In-Ceiling Dome Camera	
	H3-DC-SMOKE	Dome Camera Cover with Smoked Bubble	
	H3-DC-PNL	Metal Ceiling Panel	

# Outline Dimensions

