

# 1.3 Megapixel H.264 HD Indoor Dome Camera with LightCatcher™ Technology



H.264 HD 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.



In environments where low-light conditions exist, capturing a crisp image in color can have a significant impact in the ability to recognize, identify and respond effectively to incidents that may occur. Avigilon's 1.3 MP H.264 HD camera features advanced LightCatcher™ technology, which collects significantly more detail from a low-light scene to produce a higher quality color image with less noise. Onboard storage capabilities let you manage storage directly on the camera using a standard SD memory card. Operating on Avigilon's upgraded H3 platform, this camera is ONVIF compliant for seamless integration with the Avigilon Control Center and other leading VMS solutions. Avigilon's 1.3 MP HD camera with LightCatcher™ technology is ideal for all situations where surveillance with monochrome images is not acceptable, such as hotel lobbies, restaurants, stairwells, or commercial premises

## KEY FEATURES

- 1.3 megapixel progressive scan CMOS sensor
- Avigilon LightCatcher™ technology provides unsurpassed image quality in low light environments
- Available with 3-9 mm F1.2 P-Iris lens with remote focus and zoom
- 30 images per second at full resolution
- 71 dB true dynamic range
- SD card slot for onboard storage support
- H.264 and Motion JPEG compression
- ONVIF API compliance with version 1.02, 2.00 and Profile S
- Multiple video streams
- 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

CAMERA		
Image Sensor	1/3" progressive scan CMOS	
Active Pixels	1280 (H) x 1024 (V)	
Imaging Area	4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)	
Minimum Illumination	0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode	
Dynamic Range	71 dB	
Lens	3-9 mm, F1.2, P-Iris, remote focus and zoom	
Angle of View	30° - 88°	
Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG	
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 1/2000 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	

NETWORK		
Network	100BASE-TX	
Cabling Type	CAT5	
Connector	RJ-45	
API	ONVIF compliance version 1.02, 2.00, Profile S ( <a href="http://www.onvif.org">www.onvif.org</a> )	
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication.	
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	
Onboard Storage	SD/SDHC/SDXC slot – minimum class 4; class 6 or better recommended	

ELECTRICAL		
Power Consumption	5 W	
Power Source	VDC: 12 V +/- 10%, 6 W min VAC: 24 V +/- 10%, 8 VA min 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		
1.3L-H3-D1	1.3 Megapixel H.264 HD 3-9mm Indoor Dome Camera with LightCatcher™ Technology	
H3-D-SMOKE	Dome Camera Cover with Smoked Bubble	

# Outline Dimensions

