

# 5.0 Megapixel Day/Night H.264 HD Indoor Dome Camera

AVIGILON

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)<sup>™</sup> 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 5.0MP 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 5.0MP indoor dome camera operates on Avigilon's H3 platform, providing this model with improved low light performance and enhanced HDSM<sup>™</sup> software features. P-Iris control also allows the camera to automatically set its iris position to maximize image quality in all lighting conditions, while onboard storage capabilities let you manage storage directly on the camera using a standard SD memory card. 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

5.0 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
13 images per second at full resolution
69dB 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
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

## CAMERA

	5.0-H3-D1	5.0-H3-D2
Image Sensor	1/3.2" progressive scan CMOS	
Active Pixels	2592 (H) x 1944 (V)	
Imaging Area	4.6 mm (H) x 3.4 mm (V) (0.181" (H) x 0.133" (V))	
Minimum Illumination	0.3 lux (F1.2) in color mode; 0.03 lux (F1.2) in monochrome mode	0.6 lux (F1.6) in color mode; 0.06 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	28° - 84°	12° - 28°
Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG	
Image Rate	13 (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	
Backlight Compensation	Adjustable	
Privacy Zones	Up to 64 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 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 (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

5.0-H3-D1	5.0 Megapixel Day/Night H.264 HD 3-9mm Indoor Dome Camera
5.0-H3-D1-IR	5.0 Megapixel Day/Night H.264 HD 3-9mm Indoor Dome Camera with IR Illuminator
5.0-H3-D2	5.0 Megapixel Day/Night H.264 HD 9-22mm Indoor Dome Camera
H3-D-SMOKE	Dome Camera Cover with Smoked Bubble

# Outline Dimensions

