

# Day/Night H.264 HD Indoor Dome Cameras

AVIGILON

H.264 HD INDOOR  
DOME CAMERAS

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 indoor dome cameras are just one way Avigilon can help provide the very best monitoring and protection.



The H.264 HD indoor dome cameras are a great solution for monitoring both daytime and nighttime activities. They feature an integrated lens for remote focus and zoom control and are ONVIF compliant for no-hassle integration. The indoor dome cameras operate on Avigilon's H3 platform, providing these models with improved low light performance and enhanced HDSM™ software features. P-Iris control also allows the cameras to automatically set their iris position to maximize image quality in all lighting conditions, while onboard storage capabilities let you manage storage directly on the cameras using a standard SD memory card. These cameras are extremely versatile and can work in almost any location, including banks, schools, retail outlets, municipal grounds and buildings, hotels, bars and restaurants.

## KEY FEATURES

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
Up to 30 images per second
Wide 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
Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 15 m (50 ft) away
Zoom and content adaptive IR provides the most effective illumination at all zoom positions while preventing image saturation
Power over Ethernet, 24 VAC or 12 VDC power input
Analog Video Output

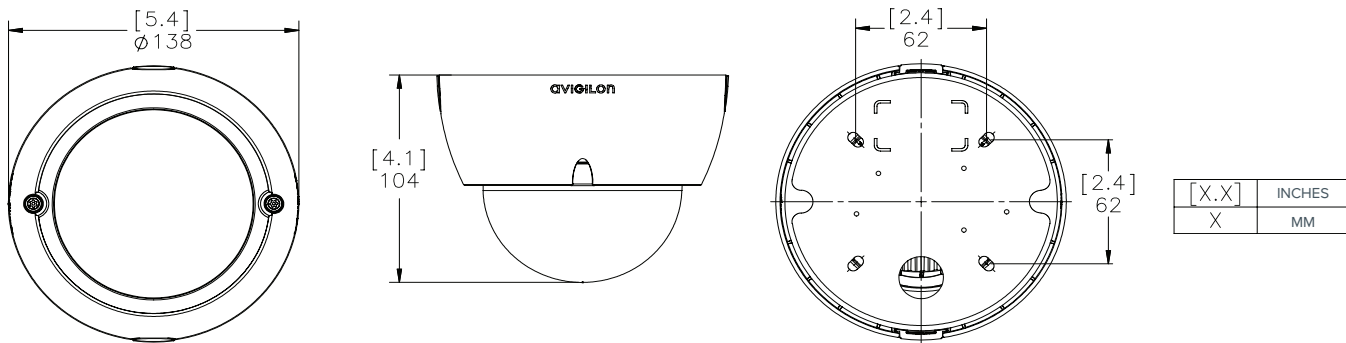
# Specifications

H.264 HD INDOOR  
DOME CAMERAS

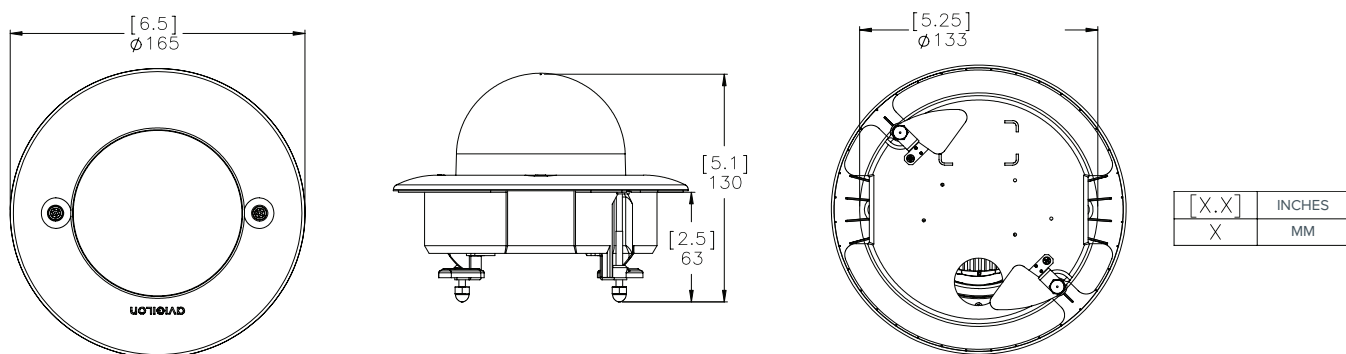
		1.3 MP (LIGHTCATCHER)	1.0 MP	2.0 MP	3.0 MP	5.0 MP		
<b>IMAGE PERFORMANCE</b>	Image Sensor	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS		WDR 1/3" progressive scan CMOS	1/3.2" progressive scan CMOS		
	Active Pixels	1280 (H) x 1024 (V)	1280 (H) x 720 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)		
	Imaging Area	4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)	5.9 mm (H) x 3.3 mm (V); 0.231" (H) x 0.129" (V)		4.5 mm (H) x 3.4 mm (V); 0.177" (H) x 0.133" (V)	4.6 mm (H) x 3.4 mm (V); 0.181" (H) x 0.133" (V)		
	Minimum Illumination							
	3-9 mm lens:	0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode	0.2 lux (F1.2) in color mode; 0.02 lux (F1.2) in monochrome mode			0.3 lux (F1.2) in color mode; 0.03 lux (F1.2) in monochrome mode		
	9-22 mm lens:	0.04 lux (F1.6) in color mode; 0.004 lux (F1.6) in monochrome mode	0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) in monochrome mode			0.6 lux (F1.6) in color mode; 0.06 lux (F1.6) in monochrome mode		
	Dynamic Range	71 dB	69 dB	100 dB		69 dB		
	Image Rate	30 (all resolutions)			20 (at full resolution)	13 (at full resolution)		
					30 (at 1920 x 1080 or smaller)			
	Resolution Scaling	Down to 768 x 432			Down to 480 x 360			
<b>LENS</b>	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							
	3-9 mm lens:	30° - 88°	35° - 98°	28° - 84°				
9-22 mm lens:	13° - 30°	15° - 35°	12° - 28°					
<b>IMAGE CONTROL</b>	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG						
	Streaming	Multi-stream H.264 and Motion JPEG						
	Motion Detection	Selectable sensitivity and threshold						
	Electronic Shutter Control	Automatic, Manual (1/6 to 1/2000 sec)	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/Output	Line level input/output, 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)	3-9 mm lens: (Surface Mount Indoor Camera without LightCatcher Technology) 850 nm wavelength, 15 m (50 ft) max. distance of IR illumination at 0 lux						
<b>NETWORK</b>	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, 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>		<b>SURFACE MOUNT INDOOR DOME CAMERA</b>			<b>IN-CEILING DOME CAMERA</b>		
		Dimensions (ØxH)	138 mm x 104 mm; 5.4" x 4.1"			165 mm x 130 mm; 6.5" x 5.1"		
Weight		0.53 kg (1.17 lbs)			0.56 kg (1.2 lbs)			
Dome Bubble		Polycarbonate, clear						
Body		Plastic						
Housing		Surface mount, tamper resistant			Recessed 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						
<b>ELECTRICAL</b>	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						
	RTC Backup Battery	3V Manganese Lithium						
<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	0 - 95% non-condensing						
<b>CERTIFICATIONS</b>	Safety	UL 60950	CSA 60950	EN 60950-1	CE	ROHS	WEEE	RCM
	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

# Outline Dimensions

## H3-D



## H3-DC



# Ordering Information

### SURFACE MOUNT INDOOR DOME CAMERAS

1.0-H3-D1	1.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera
1.0-H3-D1-IR	1.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator
1.0-H3-D2	1.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera
1.3L-H3-D1	1.3 Megapixel H.264 HD 3-9 mm Indoor Dome Camera with LightCatcher Technology
1.3L-H3-D2	1.3 Megapixel H.264 HD 9-22 mm Indoor Dome Camera with LightCatcher Technology
2.0-H3-D1	2.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera
2.0-H3-D1-IR	2.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator
2.0-H3-D2	2.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera
3.0W-H3-D1	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Indoor Dome Camera
3.0W-H3-D1-IR	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator
3.0W-H3-D2	3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Indoor Dome Camera
5.0-H3-D1	5.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera
5.0-H3-D1-IR	5.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator
5.0-H3-D2	5.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera
H3-D-SMOKE	Dome Camera Cover with Smoked Bubble

### IN-CEILING DOME CAMERAS

1.0-H3-DC1	1.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera
1.0-H3-DC2	1.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera
1.3L-H3-DC1	1.3 Megapixel H.264 HD 3-9 mm In-Ceiling Dome Camera with LightCatcher Technology
1.3L-H3-DC2	1.3 Megapixel H.264 HD 9-22 mm In-Ceiling Dome Camera with LightCatcher Technology
2.0-H3-DC1	2.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera
2.0-H3-DC2	2.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera
3.0W-H3-DC1	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera
3.0W-H3-DC2	3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera
5.0-H3-DC1	5.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera
5.0-H3-DC2	5.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera
H3-DC-SMOKE	Dome Camera Cover with Smoked Bubble
H3-DC-PNL	Metal Ceiling Panel