

Day/Night H.264 HD Indoor Dome Cameras

AVIGILON

Avigilon offers a broad range of high definition cameras – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting an exceptional solution for your security needs.

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 with wide dynamic range support 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

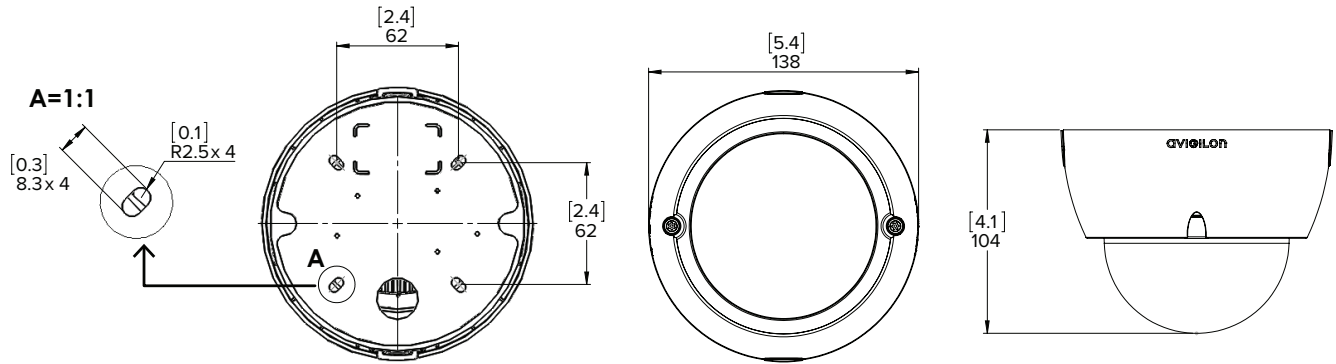
H.264 HD DOME CAMERAS

		1.3 MP (LIGHTCATCHER™)	1.0 MP	2.0 MP	3.0 MP	5.0 MP				
IMAGE PERFORMANCE	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			0.3 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			0.6 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 1920 x 1080 or smaller for 4:3 aspect ratios)				
					30 (at 1920 x 1080 or smaller) v	30 (at 1920 x 1080 or smaller for 16:9 aspect ratios)				
LENS	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°					
IMAGE CONTROL	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								
NETWORK	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								
	Network	100BASE-TX								
	Cabling Type	CAT5								
	Connector	RJ-45								
	API	ONVIF compliance version 1.02, 2.00, Profile S (www.onvif.org)								
	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		SURFACE MOUNT INDOOR DOME CAMERA			IN-CEILING DOME CAMERA				
		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								
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								
	RTC Backup Battery	3V Manganese Lithium								
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)								
	Humidity	0 - 95% non-condensing								
CERTIFICATIONS	Certifications/Directives	UL	cUL	CE	ROHS	WEEE	RCM	EAC	KC	
	Safety	UL 60950-1		CSA 60950-1		IEC/EN 60950-1		IEC 62471 (only for models with IR-Illuminators)		
	Electromagnetic Emissions	FCC Part 15 Subpart B Class B		IC ICES-003 Class B		EN 55032 Class B		EN 61000-6-3	EN 61000-3-2	EN 61000-3-3
	Electromagnetic Immunity	EN 55024			EN 61000-6-1					

Outline Dimensions

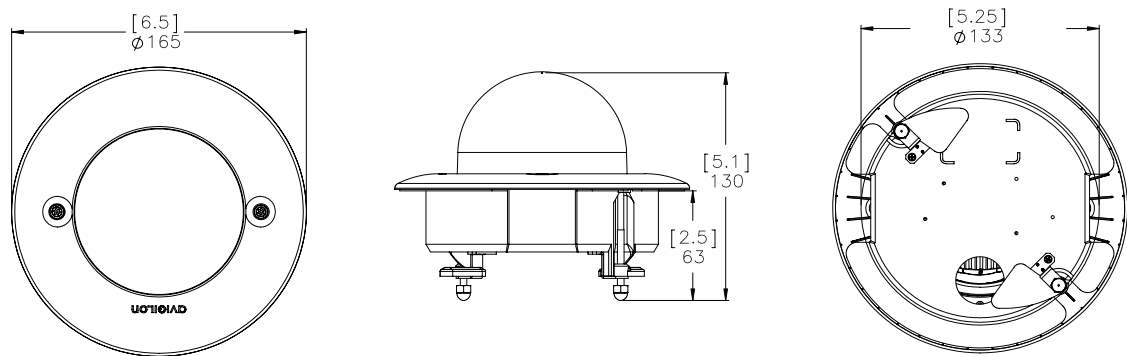
Surface Mount Dome Camera (H3-D)

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X	MM



H.264 HD DOME CAMERAS

In-Ceiling Dome Camera (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