Outdoor Dome Cameras with Self-Learning Video Analytics



Avigilon offers the broadest range of high definition cameras in the industry – 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 the best solution for your security needs.

The innovative HD outdoor dome cameras are just one way Avigilon can help provide the very best monitoring and protection.





The HD dome camera with self-learning video analytics brings together Avigilon's world renowned camera technology with video analytics. The combination of instant and accurate object detection and classification alerts, with the identification performance of high-definition video, provides users with an unmatched level of perimeter protection to keep both personnel and assets safe.

The HD outdoor dome camera is a great solution for monitoring both daytime and nighttime outdoor activities. It features an integrated lens for remote focus and zoom control with excellent low light performance. 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.

KEY FEATURES

Patented Advanced Video Pattern Detection and Teach by Example Technology

Self-Learning Video Analytics

Available with 3-9 mm or 9-22 mm P-Iris lens with remote focus and zoom

Up to 30 images per second

Triple Exposure Ultra Wide Dynamic Range (3 Megapixel)

Avigilon's LightCatcher™ technology provides unsurpassed image quality in low light environments

SD card slot for onboard storage support

H.264 and Motion JPEG compression

Zoom and content adaptive integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 15 m (50 ft) away

Power over Ethernet, 24 VAC or 12 VDC power input

Vandal resistant construction and IP66 compliant

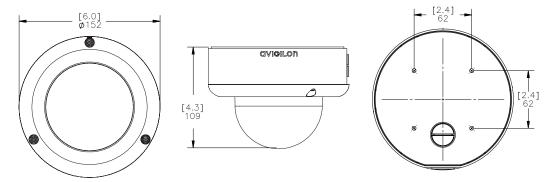
ONVIF compliant with version 2.2.0 of the Analytics Service Specification

	cations	1.0 MP	2.0 MP	3.0 N	/IP			
MAGE	Image Sensor	1/2.8" progressive scan CMOS						
PERFORMANCE	Active Pixels	1280 (H) x 720 (V)	1920 (H) × 1080 (V)		(H) x 1536 (V)			
	Imaging Area	4.8 mm (H) x 2.7 mm (V); 0.189" (H) x 0.106" (V) 5.12 mm (H) x 3.84 mm (V); 0.202" (H) x 0.151" (V)						
	Minimum 3-9 mm lens:	0.1 lux (F1.2) in color mode; 0.01 lux (F1.2) in monochrome mode						
	9-22 mm lens:	0.2 lux (F1.6) in color mode; 0.02 lux	(F1.6) in monochrome mode					
	Dynamic Range	100 dB Dual Exposure True WDR		120 dE	3 Triple Exposure Ultra V	/DR		
	Image Rate	30 fps (all resolutions)			20 fps (at full resolution); 30 fps (at 1920 x 1080 or smaller)			
	Resolution Scaling	Down to 768 x 432		Down	to 768 x 432			
NS	Lens	3-9 mm, F1.2, P-Iris, remote focus an	d zoom					
	Lens	9-22 mm, F1.6, P-Iris, remote focus an						
	Annals of 20 mm lane	32° - 91°	110 200111	34° - 9	1 7 °			
	Angle of 3-9 mm lens: View	13° - 28°		15° - 3				
	9-22 mm lens:	13 - 20		15 - 3	U			
IMAGE CONTROL	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG						
	Streaming	Multi-stream H.264 and Motion JPEG						
	Motion Detection	Pixel and classified objects						
	Camera Tampering Detection							
	Electronic Shutter Control	Automatic, Manual (1/6 to 1/8000 sec)						
	Iris Control	Automatic, Manual						
	Day/Night Control	Automatic, Manual						
	Flicker Control	Automatic, Manual 50 Hz, 60 Hz						
	White Balance	Automatic, Manual						
	Backlight Compensation	Adjustable						
	Privacy Zones	Up to 64 zones						
	Audio Compression Method	Up to 64 zones G.711 PCM 8 kHz						
	Audio Input/Output							
	Video Output	Line level input and output, A/V mini-jack (3.5 mm) (IMP and 2MP only) NTSC/PAL A/V mini-jack (3.5 mm)						
	External I/O Terminals	(1MP and 2MP only) NTSC/PAL, A/V mini-jack (3.5 mm)						
		Alarm In, Alarm Out 850 nm wavelength, 15 m (50 ft) max. distance of IR illumination at 0 lux						
	IR Illumination (option)	550 mm wavelength, 15 m (50 ty ma.	x. distance of ite manification at o lax					
ETWORK	Network	100BASE-TX						
	Cabling Type	CAT5						
	Connector	RJ-45						
	ONVIF	ONVIF compliant with version 1.02, 2.00, Profile S and 2.2.0 of the Analytics Service Specification						
		(*bounding boxes and scene descriptions not available with third-party VMS)						
	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/R	TSP/TCP, RTP/RTSP/HTTP/TCP, RTP/	/RTSP/HTTPS/	TCP, HTTP			
		SURFACE MOUNT OUTDOOF	R DOME CAMERA		ANT DOME CAMERA	А		
MECHANICAL	Dimensions (ØxH)	152 mm x 109 mm; 6.0" x 4.3"			x 157 mm; 6.6" x 6.2"			
	Weight	1.28 kg (2.82 lbs)		2.1 kg (4	.6 IDS)			
	Dome Bubble Body	Polycarbonate, clear Aluminum						
	Housing			Pondan	t mount, vandal registant			
	Finish	Surface mount, vandal resistant Pendant mount, vandal resistant Powder coat coal gray 2						
	Adjustment Range	Powder coat, cool gray 2 360° pan, 180° tilt (122° tilt with -IR option), 180° azimuth						
	Onboard Storage	SD/SDHC/SDXC slot – minimum clas						
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
LECTRICAL	Power Consumption	9 W (10 W for -IR option)						
	Power Source	VDC: 12 V +/- 10%, 9 W min (10 W min	n with -IR option)	PoE: IEE	PoE: IEEE802.3af Class 3 compliant			
	Dawar Cannastar	VAC: 24 V +/- 10%, 12 VA min (13 VA min with -IR option)						
	Power Connector	2-pin terminal block						
	RTC Backup Battery	3V Manganese Lithium						
ENVIRONMENTAL	Operating Temperature	-30 °C to +50 °C (-22 °F to 122 °F)						
	Storage Temperature	-40 °C to +70 °C (-40 °F to 158 °F)						
	Humidity	0 - 95% non-condensing						
	Humaity	0 - 95% Horr-condensing						
CERTIFICATIONS	Safety	UL 60950-1 CSA 60950-1	IEC/EN 60950-1 CE		ROHS	WEEE	RCM	
	Environmental	IK10 Impact Rating	Meets IEC 60529 IP66 We	eather Rating	IEC/UL/CSA 60950-22			
	Electromagnetic Emissions	FCC Part 15 Subpart B Class B	IC ICES-003 Class B		EN 55022 Class B		EN 61000-6-3	
	Electromagnetic Immunity			000-4-4	EN 61000-4-5	EN 61000-4-6	EN 61000-4-11	
	and a series of the series of	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2.1010					
JPPORTED DEO ANALYTICS	Objects in Area	The event is triggered when the selent if the number of objects is exceeded	ected object type moves into the reg d, a new event is not triggered until th	ion of interest he number of	objects falls below the d	efined value.		
/ENTS	Object Loitering	If the number of objects is exceeded, a new event is not triggered until the number of objects falls below the defined value. The event is triggered when the selected object type stays within the region of interest for an extended amount of time. The event is reset when the objecteaves the region of interest.						
	Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that has is configured over the camera's field of view. The beam can be unidirectional or bidirectional.						
	Object Appears or Enters Area	If the number of objects is exceeded, a new event is not triggered until the event timesout.						
	Object Not Present in Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects. The event is triggered when no objects are present in the region of interest.						
	Objects Enter Area				of interest			
	Objects Enter Area Objects Leave Area	The event is triggered when the specified number of objects have entered the region of interest. The event is triggered when the specified number of objects have left the region of interest.						
	Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest. The event is triggered when an object in a region of interest stops moving for the specified threshold time.						
	Object Stone in Area	The event is triggered when an object in a region or interest stops moving for the specified threshold time. The event is triggered when an object moves in the prohibited direction of travel.						
	Object Stops in Area Direction Violated							

Outline Dimensions

Surface Mount Outdoor Dome Camera

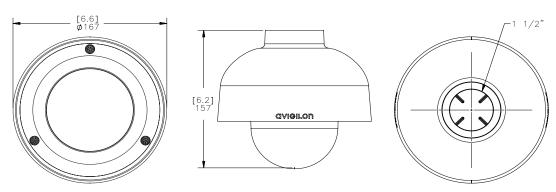
(H3A-DO)



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X	MM

Pendant Dome Camera

(H3A-DP)



Ordering Information

SURFACE MOUNT OUTDOOR DOME CAMERAS

1.0C-H3A-DO1	1.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
1.0C-H3A-DO1-IR	1.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator and Self-Learning Video Analytics and LightCatcher Technology
1.0C-H3A-DO2	1.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Outdoor Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
2.0C-H3A-D01	2.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
2.0C-H3A-D01-IR	2.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator and Self-Learning Video Analytics and LightCatcher Technology
2.0C-H3A-DO2	2.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Outdoor Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
3.0C-H3A-D01	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
3.0C-H3A-DO1-IR	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator and Self-Learning Video Analytics and LightCatcher Technology
3.0C-H3A-DO2	3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Outdoor Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
H3-DOP-SMOKE	Dome Camera Cover with Smoked Bubble
H3-DOP-CLEAR	Dome Camera Cover with Clear Bubble

PENDANT DOME CAMERAS

1.0C-H3A-DP1	1.0 Megapixel WDR Day/Night H.264 HD 3-9mm Pendant Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
1.0C-H3A-DP2	1.0 Megapixel WDR Day/Night H.264 HD 9-22mm Pendant Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
2.0C-H3A-DP1	2.0 Megapixel WDR Day/Night H.264 HD 3-9mm Pendant Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
2.0C-H3A-DP2	2.0 Megapixel WDR Day/Night H.264 HD 9-22mm Pendant Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
3.0C-H3A-DP1	3.0 Megapixel WDR Day/Night H.264 HD 3-9mm Pendant Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
3.0C-H3A-DP2	3.0 Megapixel WDR Day/Night H.264 HD 9-22mm Pendant Dome Camera with Self-Learning Video Analytics and LightCatcher Technology
H3-DOP-SMOKE	Dome Camera Cover with Smoked Bubble
H3-DOP-CLEAR	Dome Camera Cover with Clear Bubble
MNT-PEND-WALL	Indoor/Outdoor Pendant Mount Bracket
MNT-AD-POLE-B	Aluminum pole mounting bracket for Dome Cameras and HD Bullet Cameras using Pendant Mount Brackets
MNT-AD-CORNER	Aluminum corner mounting bracket for Dome Cameras and HD Bullet Cameras using Pendant Mount Brackets