# H4 Edge Solution (ES) Outdoor Dome Camera Line



The H4 Edge Solution Camera line combines high-definition imaging, self-learning video analytics, network video recorder functionality, and embedded Avigilon Control Center™ video management software to create an all-in-one intelligent surveillance solution.











#### Onboard Solid-State Drive (SSD) storage

The H4 Edge Solution Camera records video directly to an onboard solid-state drive, eliminates the need for a separate network video recorder, and reduces installation and system costs.

#### Avigilon Control Center (ACC Software) Built-in

The H4 Edge Solution Camera line provides unique flexibility and versatility, with deployment options ranging from standalone installation, multi-camera solutions, to seamless integration into a conventional network video surveillance system.

As an Internet of Things device, the solution acts as both a camera and out-of-the-box video management software platform, providing a uniquely easy-to-install and cost-effective surveillance solution.

#### **KEY FEATURES**

1-3 megapixel models

Factory installed and licensed with ACC Video Management software running on the camera

Up to 256 GB on-board Solid-State Drive (SSD)

Up to 30 day of video retention

Self-learning video analytics

Patented Advanced Video Pattern Detection and Teach by Example Technology

Patented High Definition Stream Management (HDSM)™ Technology maintains image quality while reducing bandwidth

Idle Scene Mode lowers the bandwidth and storage usage if there are no motion events detected in the scene  $\,$ 

Wifi camera configuration support

Zoom and content adaptive integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 30 m (98 ft) away

Avigilon LightCatcher™ technology provides exceptional image quality in low light environments

Triple Exposure Ultra Wide Dynamic Range

Factory pre-configured image preset modes for maximum image performance in a variety of lighting conditions

# Specifications

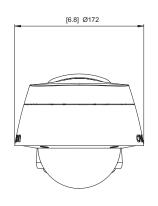
		1.0 MP	2	2.0 MP	3.0	O MP		
	Image Sensor	1/2.8" progressive scan CMOS						
PERFORMANCE	Aspect Ratio	16:9			4:3			
	Active Pixels (H x V)	1280 x 720	19	920 x 1080	204	48 x 1536		
	Imaging Area (H x V)	4.8 mm x 2.7mm; 0.189" x 0.106"			5.12	mm x 3.84 mm; 0.202" x 0.151"		
	IR Illumination Option (high power 850 nm LEDs)	30 m (98 ft) max. distance at 0 lux						
	Minimum Illumination	0.04 lux (F1.3) in color mode; 0.003	8 lux (F1.3) in monoc	chrome mode				
	Image Rate High Framerate	30 fps	30	0 fps	30 f	fps		
	Full Feature		12	? fps	12 fp	ps		
	Dynamic Range	67 dB						
		120 dB triple exposure (20 fps or le 100 dB dual exposure (30 fps)	ess); 12	20 dB triple exposure (Full Fea	ture Mode). WDR is disa	abled in High Framerate Mode		
	Resolution Scaling Camera Operating Mode	Down to 768 x 432 N/A		High Framerate = Camera will prioritize maximum image rate over other features. WDR is disabled.				
			F	ull Feature = Camera will pr	ioritize feature capabili	abilities over image rate.		
ONDOADD	Solid-State Drive (SSD)	139.6	2	EG C	256	S C		
ONBOARD STORAGE		128 G		56 G	256	o G		
J. OKAGE	Retention Rate	Up to 30 days (2 Mbps stream bas	sed on 30% motion	duty cycle)				
	Lens	3 - 9 mm F1.3, P-Iris, remote focus	and zoom					
	Angle of View	30° – 91°			32°	– 98°		
IMAGE CONTRO!	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Moti	on IDEC					
IMAGE CONTROL								
	Streaming	Multi-stream H.264 and Motion JP	EG					
	Bandwidth Management	HDSM and Idle Scene Mode						
	Motion Detection	Pixel and classified objects						
	Camera Tampering Detection	Yes						
	Electronic Shutter Control	Automatic, Manual (1/6 to 1/8000 s	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 and output, A/V m	ini-jack (3.5 mm)					
	Video Output	(1.0 - 2.0 MP only) NTSC/PAL, A/V	mini-jack (3.5 mm)					
	External I/O Terminals	Alarm In, Alarm Out						
	USB Port	USB 2.0						
NETWORK	Network	100BASE-TX						
	Cabling Type	CAT5						
	Cabling Type Connector	CAT5 RJ-45						
			t, 2.00, Profile S and	I 2.2.0 of the Analytics Service	Specification			
	Connector	RJ-45 ONVIF compliant with version 1.02 (*bounding boxes and scene desc	criptions not availab	le with third-party VMS)				
	Connector	RJ-45 ONVIF compliant with version 1.02	criptions not availab	le with third-party VMS)		ort based authentication		
	Connector ONVIF	RJ-45 ONVIF compliant with version 1.02 (*bounding boxes and scene desc	criptions not availab yption, digest authe	le with third-party VMS) ntication, WS authentication, u	user access log, 802.1x po	ort based authentication		
	Connector ONVIF Security	RJ-45 ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS enco	criptions not availab yption, digest authe TP, RTSP, RTCP, RTI	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF	iser access log, 802.1x po R, Zeroconf, ARP	ort based authentication		
	Connector ONVIF Security Protocol	RJ-45 ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ence IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP	criptions not availab yption, digest authe TP, RTSP, RTCP, RTI	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF	iser access log, 802.1x po R, Zeroconf, ARP	ort based authentication		
	Connector ONVIF Security Protocol Streaming Protocols	RJ-45 ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS encr. IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3	criptions not availab yption, digest authe TP, RTSP, RTCP, RTI	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF	iser access log, 802.1x po P, Zeroconf, ARP PS/TCP, HTTP			
	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols	RJ-45 ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ence IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA	criptions not availab yption, digest authe TP, RTSP, RTCP, RTI /RTSP/TCP, RTP/RT:	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI	sser access log, 802.1x po R. Zeroconf, ARP PS/TCP, HTTP	OUTDOOR DOME CAMERA		
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	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols	RJ-45 ONVIF compliant with version 1.02 (*bounding boxes and scene desc Password protection, HTTPS encr IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1):	criptions not availab yption, digest authe TP, RTSP, RTCP, RTI /RTSP/TCP, RTP/RT /RTSP/TCP, RTP/RT /RTSP/TCP, RTP/RT /RTSP/TCP, RTP/RT /RTSP/TCP, RTP/RT /RTSP/TCP, RTP/RTSP/TCP, RTP/RTSP/RTP/RTP/RTP/RTP/RTP/RTP/RTP/RTP/RTP/RT	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0")	sser access log, 802.1x po R. Zeroconf, ARP PS/TCP, HTTP	OUTDOOR DOME CAMERA		
	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols Dimensions (LxWxH)	RJ-45 ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS encry IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1):	criptions not availab yption, digest authe TP, RTSP, RTCP, RTI /RTSP/TCP, RTP/RTI /RTSP/TCP, RTP/RTSP/TCP, RT	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0")	iser access log, 802.1x pc ?, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT 0 163 mm x 163 mm x 121	OUTDOOR DOME CAMERA		
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	Connector ONVIF  Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble	RJ-45  ONVIF compliant with version 1.02 ('bounding boxes and scene desc Password protection, HTTPS encr. IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): follocarbonate, clear	criptions not availab yption, digest authe TP, RTSP, RTCP, RTI /RTSP/TCP, RTP/RT: 172 mm × 172 mm × 275 mm × 172 mm × 172 mm × 172 mm × 1.55 kg (3.42 lbs) 3.00 kg (6.62 lbs)	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0")	iser access log, 802.1x pc ?, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT ( 163 mm x 163 mm x 121	OUTDOOR DOME CAMERA		
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	Connector ONVIF  Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble	RJ-45  ONVIF compliant with version 1.02 ('bounding boxes and scene desc Password protection, HTTPS encr. IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): follocarbonate, clear	criptions not availab yption, digest authe TP, RTSP, RTCP, RTI /RTSP/TCP, RTP/RTI /RTSP/TCP, RTP/RTSP/TCP, RTP/RTSP/TC	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.8") 172.3 mm (6.8" x 6.8" x 6.8")	iser access log, 802.1x pc ?, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT ( 163 mm x 163 mm x 121	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")		
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	Connector ONVIF  Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing	RJ-45  ONVIF compliant with version 1.02 (*bounding boxes and scene desc Password protection, HTTPS ence IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): folycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1)	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI/RTSP/TCP, RTP/RT.  172 mm x 172 mm x 275 mm x 172 mm x 173 mm x 174 mm x 175 mm x	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" × 6.8" × 4.9") 152.1 mm (10.8" × 6.8" × 6.0") 172.3 mm (6.8" × 6.8" × 6.8")	iser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT ( 163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WTA1): "Polycarbonate, clear Aluminum  Pendant mount, vandal resistant - (H4-MT-NPTA1)  Powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI/RTSP/TCP, RTP/RT.  172 mm x 172 mm x 275 mm x 172 mm x 173 mm x 174 mm x 175 mm x	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" × 6.8" × 4.9") 152.1 mm (10.8" × 6.8" × 6.0") 172.3 mm (6.8" × 6.8" × 6.8")	iser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT ( 163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): 10 with NPT mount (H4-MT-WALL1): 11 with NPT mount (H4-MT-WALL1): 12 with NPT mount (H4-MT-WALL1): 13 with NPT mount (H4-MT-WALL1): 14 with NPT mount (H4-MT-WALL1): 17 with NPT mount (H4-MT-WALL1): 18 with NPT mount (H4-MT-WALL1): 19 with NPT mount (H4-MT-	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI (RTSP/TCP, RTP/RT) (RTSP/TCP, RTSP/RT) (RTSP/TCP, RTSP/TCP, R	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI 124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0") 172.3 mm (6.8" x 6.8" x 6.8")	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT (163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" × 6.4" × 4.8") resistant		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): "Polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1) Powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI (RTSP/TCP, RTP/RT) (RTSP/TCP, RTSP/RT) (RTSP/TCP, RTSP/TCP, R	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" × 6.8" × 4.9") 152.1 mm (10.8" × 6.8" × 6.0") 172.3 mm (6.8" × 6.8" × 6.8")	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT (163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): 10 with NPT mount (H4-MT-WALL1): 11 with NPT mount (H4-MT-WALL1): 12 with NPT mount (H4-MT-WALL1): 13 with NPT mount (H4-MT-WALL1): 14 with NPT mount (H4-MT-WALL1): 17 with NPT mount (H4-MT-WALL1): 18 with NPT mount (H4-MT-WALL1): 19 with NPT mount (H4-MT-	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI (RTSP/TCP, RTP/RT) (RTSP/TCP, RTSP/RT) (RTSP/TCP, RTSP/TCP, R	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI 124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0") 172.3 mm (6.8" x 6.8" x 6.8")	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT (163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" × 6.4" × 4.8") resistant		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): "Polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1) Powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI (RTSP/TCP, RTP/RT) (RTSP/TCP, RTSP/RT) (RTSP/TCP, RTSP/TCP, R	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI 124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0") 172.3 mm (6.8" x 6.8" x 6.8")	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT (163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" × 6.4" × 4.8") resistant		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1): powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block  3V manganese lithium	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI (RTSP/TCP, RTP/RT) (RTSP/TCP, RTSP/RT) (RTSP/TCP, RTSP/TCP, R	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI 124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0") 172.3 mm (6.8" x 6.8" x 6.8")	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT (163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" × 6.4" × 4.8") resistant		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery Operating Temperature	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): dome camera only: with wall mount (H4-MT-NPTA1): polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1) Powder coat, RAL 9003 360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F)	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI (RTSP/TCP, RTP/RT) (RTSP/TCP, RTSP/RT) (RTSP/TCP, RTSP/TCP, R	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI 124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0") 172.3 mm (6.8" x 6.8" x 6.8")	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT (163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" × 6.4" × 4.8") resistant		
MECHANICAL ELECTRICAL ENVIRONMENTAL	Connector ONVIF  Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery Operating Temperature Storage Temperature	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-WPTA1): dome camera only: with wall mount (H4-MT-WPTA1): polycarbonate, clear Aluminum  Pendant mount, vandal resistant - (H4-MT-NPTA1): powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block  3V manganese lithium  -40 °C to +60 °C (-40 °F to 140 °F) -10 °C to +70 °C (14 °F to 158 °F)	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI (RTSP/TCP, RTP/RT) (RTSP/TCP, RTSP/RT) (RTSP/TCP, RTSP/TCP, R	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI 124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0") 172.3 mm (6.8" x 6.8" x 6.8")	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT (163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" × 6.4" × 4.8") resistant		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery Operating Temperature	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): dome camera only: with wall mount (H4-MT-NPTA1): polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1) Powder coat, RAL 9003 360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F)	criptions not availably ption, digest auther TP, RTSP, RTCP, RTI (RTSP/TCP, RTP/RT) (RTSP/TCP, RTSP/RT) (RTSP/TCP, RTSP/TCP, R	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI 124 mm; (6.8" x 6.8" x 4.9") 152.1 mm (10.8" x 6.8" x 6.0") 172.3 mm (6.8" x 6.8" x 6.8")	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP SURFACE MOUNT (163 mm x 163 mm x 121 1.35 kg (2.97 lbs)	OUTDOOR DOME CAMERA mm; (6.4" × 6.4" × 4.8") resistant		
MECHANICAL ELECTRICAL ENVIRONMENTAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery  Operating Temperature Storage Temperature Humidity	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS encr. IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): "lome camera only: with wall mount (H4-MT-NPTA1): "Polycarbonate, clear Aluminum  Pendant mount, vandal resistant - (H4-MT-NPTA1): "Polycarbonate, clear Aluminum  Pendant mount, vandal resistant - (H4-MT-NPTA1): "Powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block 3V manganese lithium  -40 °C to +60 °C (-40 °F to 140 °F) -10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing	criptions not availably pition, digest authe TP, RTSP, RTCP, RTI PRTSP/TCP, RTP/RT: 172 mm x 18.55 kg (3.42 lbs) 3.00 kg (6.62 lbs) 1.80 kg (3.98 lbs) with wall mount (H4 lith -IR option), ±180° V.	le with third-party VMS) ntication, WS authentication, u P, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" × 6.8" × 4.9") 152.1 mm (10.8" × 6.8" × 6.0") 172.3 mm (6.8" × 6.8" × 6.8")  I-MT-WALL1) / NPT mount  azimuth  AC: 24 V +/- 10%, 13 VA min	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP  SURFACE MOUNT (163 mm x 163 mm x 121  1.35 kg (2.97 lbs)  Surface mount, vandal r	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")  resistant  E: IEEE802.3af Class 3 compliant		
MECHANICAL	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery  Operating Temperature Storage Temperature Humidity Certifications/Directives	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS encr. IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): dome camera only: with wall mount (H4-MT-NPTA1): Polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1): Powder coat, RAL 9003 360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F) -10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing UL cUL	criptions not availably pition, digest auther TP, RTSP, RTCP, RTI PRTSP, RTCP, RTI PRTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP,	le with third-party VMS) ntication, WS authentication, u p, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" × 6.8" × 4.9") 152.1 mm (10.8" × 6.8" × 6.0") 172.3 mm (6.8" × 6.8" × 6.8")  I-MT-WALL1) / NPT mount  azimuth  AC: 24 V +/- 10%, 13 VA min	iser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP  SURFACE MOUNT (163 mm x 163 mm x 121  1.35 kg (2.97 lbs)  Surface mount, vandal r	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")  resistant  E: IEEE802.3af Class 3 compliant		
MECHANICAL  ELECTRICAL  ENVIRONMENTAL  CERTIFICATIONS	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery Operating Temperature Storage Temperature Humidity Certifications/Directives Safety	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS encr. IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): dome camera only: with wall mount (H4-MT-NPTA1): Polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1): Powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block  3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F) -10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing  UL	criptions not availably pition, digest auther TP, RTSP, RTCP, RTI PRTSP, RTCP, RTI PRTSP, RTCP, RTI PRTS MR × 172 mm × 174 mm × 175 kg (3.42 lbs) 3.00 kg (6.62 lbs) 8.80 kg (3.98 lbs) with wall mount (H4 lith -IR option), ±180° V.	le with third-party VMS) ntication, WS authentication, u p, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" × 6.8" × 4.9") 152.1 mm (10.8" × 6.8" × 6.0") 172.3 mm (6.8" × 6.8" × 6.8")  1-MT-WALL1) / NPT mount  azimuth  AC: 24 V +/- 10%, 13 VA min  HS WEEE  IEC/EN 60950-1	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP  SURFACE MOUNT (163 mm x 163 mm x 121  1.35 kg (2.97 lbs)  Surface mount, vandal r	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")  resistant  E: IEEE802.3af Class 3 compliant		
MECHANICAL  ELECTRICAL  ENVIRONMENTAL  CERTIFICATIONS	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery  Operating Temperature Storage Temperature Humidity Certifications/Directives	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS encr. IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): dome camera only: with wall mount (H4-MT-NPTA1): Polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1): Powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block  3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F) -10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing  UL	criptions not availably pition, digest auther TP, RTSP, RTCP, RTI PRTSP, RTCP, RTI PRTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP, TCCP, RTP/RTSP,	le with third-party VMS) ntication, WS authentication, u p, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" × 6.8" × 4.9") 152.1 mm (10.8" × 6.8" × 6.0") 172.3 mm (6.8" × 6.8" × 6.8")  1-MT-WALL1) / NPT mount  azimuth  AC: 24 V +/- 10%, 13 VA min  HS WEEE  IEC/EN 60950-1	isser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP  SURFACE MOUNT (163 mm x 163 mm x 121  1.35 kg (2.97 lbs)  Surface mount, vandal r  PoE  RCM K IEC 62471 (for -IR (6	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")  resistant  E: IEEE802.3af Class 3 compliant		
MECHANICAL  ELECTRICAL  ENVIRONMENTAL  CERTIFICATIONS	Connector ONVIF Security Protocol Streaming Protocols Device Management Protocols  Dimensions (LxWxH)  Weight  Dome Bubble Body Housing Finish Adjustment Range Power Consumption Power Source Power Connector RTC Backup Battery Operating Temperature Storage Temperature Humidity Certifications/Directives Safety	RJ-45  ONVIF compliant with version 1.02 ("bounding boxes and scene desc Password protection, HTTPS ency IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP SNMP v2c, SNMP v3  PENDANT DOME CAMERA dome camera only: with wall mount (H4-MT-WALL1): with NPT mount (H4-MT-NPTA1): dome camera only: with wall mount (H4-MT-NPTA1): dome camera only: with wall mount (H4-MT-NPTA1): Polycarbonate, clear Aluminum Pendant mount, vandal resistant - (H4-MT-NPTA1): Powder coat, RAL 9003  360° pan, 9° – 95° tilt (30° – 95° w 9 W VDC: 12 V +/- 10%, 9 W min 2-pin terminal block 3V manganese lithium  -40 °C to +60 °C (-40 °F to 140 °F) -10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing  UL	criptions not availably pition, digest auther TP, RTSP, RTCP, RTI PRTSP, RTCP, RTI PRTSP, RTCP, RTI PRTS MR × 172 mm × 174 mm × 175 kg (3.42 lbs) 3.00 kg (6.62 lbs) 8.80 kg (3.98 lbs) with wall mount (H4 lith -IR option), ±180° V.	le with third-party VMS) ntication, WS authentication, u p, TCP,UDP, IGMP, ICMP, DHCF SP/HTTP/TCP, RTP/RTSP/HTTI  124 mm; (6.8" × 6.8" × 4.9") 152.1 mm (10.8" × 6.8" × 6.0") 172.3 mm (6.8" × 6.8" × 6.8")  1-MT-WALL1) / NPT mount  azimuth  AC: 24 V +/- 10%, 13 VA min  HS WEEE  IEC/EN 60950-1  ing IK10 Impact Rating	siser access log, 802.1x pc 2, Zeroconf, ARP PS/TCP, HTTP  SURFACE MOUNT ( 163 mm x 163 mm x 121  1.35 kg (2.97 lbs)  Surface mount, vandal r  PoE  RCM K IEC 62471 (for -IR c	OUTDOOR DOME CAMERA mm; (6.4" x 6.4" x 4.8")  resistant  E: IEEE802.3af Class 3 compliant		

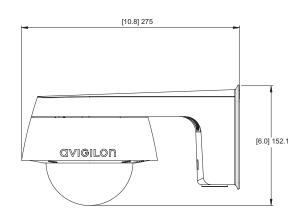
SUPPORTED VIDEO ANALYTICS EVENTS	Objects in Area	The event is triggered when the selected object type moves into the region of interest.								
	Object Loitering	The event is triggered when the selected object type stays within the region of interest for an extended amount of time.								
	Objects Crossing Beam	he event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. he beam can be unidirectional or bidirectional.								
	Object Appears or Enters Area	he event is triggered by each object that enters the region of interest. This event can be used to count objects.								
	Object Not Present in Area	The event is triggered when no objects are present in the region of interest.								
	Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.								
	Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.								
	Object Stops in Area	The event is triggered when an object in a region of interest stops moving for the specified threshold time.								
	Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.								
	Tamper Detection	The event is triggered when the scene unexpectedly changes.								
SUPPORTED ACC FEATURES	System  Recording Rate  Stream Out Rate  Client  Recording, Searching and Playback	<ul> <li>1 camera per server (connection to self)</li> <li>2 simultaneous client connections (override supported)</li> <li>Site supports up to 200 cameras and a total of 100 defined users. H4 ES Cameras can be part of a site with 15 other H4 ES Cameras, ACC ES HD Recorders, or ACC servers</li> <li>12 Mbps</li> <li>4 Mbps</li> <li>Saved Views</li> <li>Maps</li> <li>Intelligent Virtual Matrix</li> <li>Collaborative investigations</li> <li>Hourly configurable recording schedule</li> <li>Intelligent motion search</li> <li>Event search</li> </ul>								
		<ul><li>Live export</li><li>Video archiving</li><li>Alarm search</li></ul>								
	Integrations	All 3rd party integrations via the ACC SDK Plus: • CommScope iPatch • DDS Amadeus 5 • DSX								
	Additional Features	<ul> <li>Email event notification</li> <li>Digital input email trigger</li> <li>Manual digital output trigger</li> <li>Audio recording and talkdown</li> <li>Teach of the pending on level of site activity (site, camera, analytics, etc), redundant recording to a secondary server may exhibit a degradation in performance.</li> </ul>								

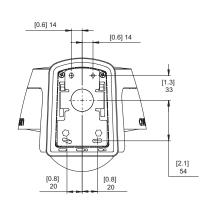
## **Outline Dimensions**

## Pendant Dome Camera

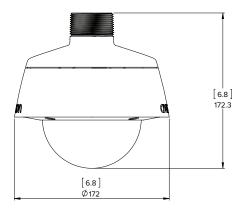
# WITH WALL MOUNT (H4A-MT-WALL1)

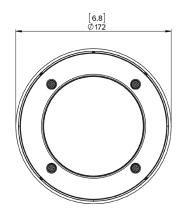






#### WITH NPT MOUNT (H4A-MT-NPTA1)

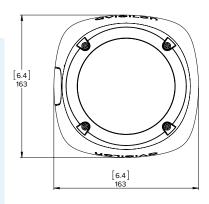


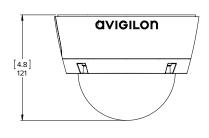


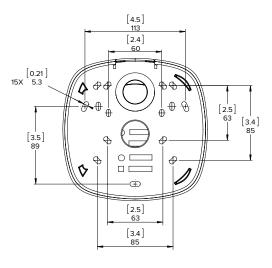
[X.X]	INCHES
Χ	MM

## Surface Mount Outdoor Dome Camera

(H4A-DO)







# Ordering Information

PENDANT DOME CAMERAS	MP	WDR	LIGHTCATCHER	ANALYTICS	STORAGE	LENS	IR
1.0C-H4A-12G-DP1-IR	1.0	✓	✓	✓	128 G	3 - 9 mm	✓
2.0C-H4A-25G-DP1-IR	2.0	✓	✓	✓	256 G	3 - 9 mm	✓
3.0C-H4A-25G-DP1-IR	3.0	✓	✓	✓	256 G	3 - 9 mm	✓
H4A-MT-WALL1	Indoor/Outdoor Pen	Indoor/Outdoor Pendant Wall Arm Mount					
HAA-MT-NDTA1	Indoor/Outdoor Pendant NPT Mount						

H4A-MT-WALL1	Indoor/Outdoor Pendant Wall Arm Mount
H4A-MT-NPTA1	Indoor/Outdoor Pendant NPT Mount
H4A-DP-SMOK1	Dome Camera Cover with Smoked Bubble
H4A-DP-CLER1	Dome Camera Cover with Clear Bubble
H4-MT-POLE1	Aluminum pole mounting bracket for H4 HD Pendant Dome Cameras and H4 HD Bullet Cameras
H4-MT-CRNR1	Aluminum corner mounting bracket for H4 HD Pendant Dome Cameras and H4 HD Bullet Cameras
H4A-AC-GROM1	Camera Sealing Grommet, Pack of 10
H4-AC-WIFI1-NA	USB Wifi Adapter
CM-AC-AVIO1	3.5 mm Jack with 1.8 m Fly Wires
CM-AC-GROM1	Pipe Grommet, Pack of 10

SURFACE MOUNT OUTDOOR DOME CAMERAS	MP	WDR	LIGHTCATCHER	ANALYTICS	STORAGE	LENS	IR
1.0C-H4A-12G-DO1-IR	1.0	✓	✓	✓	128 G	3 - 9 mm	✓
2.0C-H4A-25G-DO1-IR	2.0	✓	✓	✓	256 G	3 - 9 mm	✓
3.0C-H4A-25G-DO1-IR	3.0	✓	✓	✓	256 G	3 - 9 mm	✓
LIAA DO CMOVA	O. + D C						

H4A-DO-SMOK1	Outdoor Dome Camera Cover with Smoked Bubble
H4A-DO-CLER1	Outdoor Dome Camera Cover with Clear Bubble
H4-AC-WIFI1-NA	USB Wifi Adapter
H4A-AC-GROM1	Camera Sealing Grommet, Pack of 10
CM-AC-AVIO1	3.5 mm Jack with 1.8 m Fly Wires
CM-AC-GROM1	Pipe Grommet, Pack of 10