

Bullet Series

Powerful video security built for the toughest environments





Turn-key Technologies, Inc. 2400 Main Street Extension Suite 12 Sayreville, NJ 08872 732-553-9100 www.turn-keytechnologies.com

Overview

Verkada's Bullet Series delivers enterprise-grade security with leading edgebased processing and onboard storage in a new, bold form factor. Built to withstand the toughest environments, the Bullet Series features a sealed aluminum housing, ensuring cameras stay protected with an IK10 vandal resistance and IP67 waterproof rating.

With powerful long range IR sensors, image resolutions up to 4K and 3X optical zoom, Verkada bullet cameras deliver stunning video quality day or night, even in the most challenging indoor and outdoor environments.

All cameras in the Bullet Series are part of Verkada's line of hybrid cloud cameras and work out-of-the-box without any additional downloads or configurations. With standard features like end-to-end encryption, onboard storage, and advanced motion-based insights, organizations are able to quickly scale their coverage and increase situational awareness across any number of locations.

The Bullet Series' powerful processing delivers advanced computer vision features including Verkada's edge-based People and Vehicle Analytics. Bringing speed and efficiency to investigations, footage is processed directly on the camera, meaning results are nearly instant and always accessible.

Industry-Leading 10-Year Product Warranty

All Verkada hardware purchases are backed by our 10-year limited warranty. For more information, visit verkada.com/support/terms-of-sale.

Key Features

- Flexible mounting for any indoor or outdoor environment
- Highly durable with an IK10 rating
- Waterproof IP67-rated aluminum housing with hermetically sealed lens assembly
- High-resolution image quality up to ultra-HD 4K
- Long-range IR illuminators for optimal nighttime visibility
- Edge-based processing for motion, People, and Vehicle Analytics
- Low-bandwidth impact, only using 20-50 kbps per camera at rest
- Up to 365 days of onboard storage



Verkada's Hybrid Cloud Architecture



No NVR or DVRS Industrial-grade solid state storage saves up to 365 days of continuous video





Centralized Management Modern platform enables secure access on any device from

anywhere in the world

The reliability of on-camera solid-state storage, with the accessibility of the cloud

Simple to Install

- No NVRs, DVRs, or servers—just a PoE connection
- Cameras come online and configure in minutes
- No added software or complexities like port forwarding

Easy to Use

- · Centralized management for seamless access anywhere
- No training required to access footage and features
- Find, download, and share footage from any device

Advantages of Cloud-Managed Solution

- Secure remote access on any device anywhere
- Real-time alerts if cameras fall offline
- SAML-based integration with single sign-on (SSO) solutions
- Continuous updates with new AI features
- Instantly share live footage via SMS and email
- Live, proactive alerting based on custom triggers

Ready For Scale

- Bandwidth-friendly, using 20-50 kbps per camera
- Scale to thousands of cameras across all locations
- No added equipment needed to support additional cameras

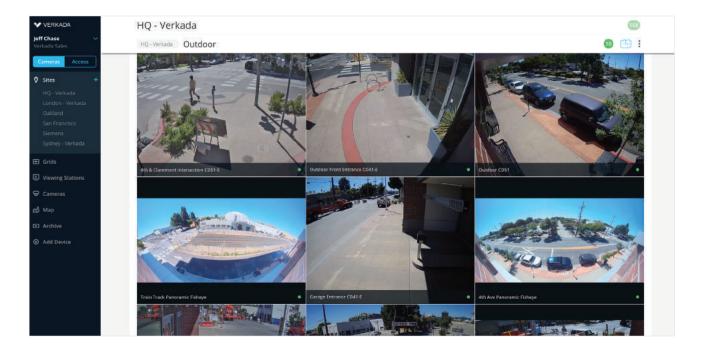
No Hidden Costs

- · Hardware includes an industry-leading 10-year warranty
- Automatic firmware updates keep systems secure
- New features and enhancements are added at no additional costs



Command Platform Overview

All-in-one cloud-based management software for Verkada security cameras



Command, Verkada's cloud-based management platform, is designed to deliver simple access and management for all cameras and users across every site from virtually anywhere in the world. From Command, users can set up new cameras, create new sites, manage settings, access live and archived footage, manage users, and access the advanced features powered by Verkada's edge-based analytics.

Security & Permissions

- SAML/OAuth support for single sign-on
- 2-factor authentication
- User permissions can be controlled at camera, site and organization levels

Remote Access

- Access from any device (desktops, smartphones, tablets)
- Native apps for iOS and Android, and Verkada's VX51 Viewing Station

Archiving and Sharing

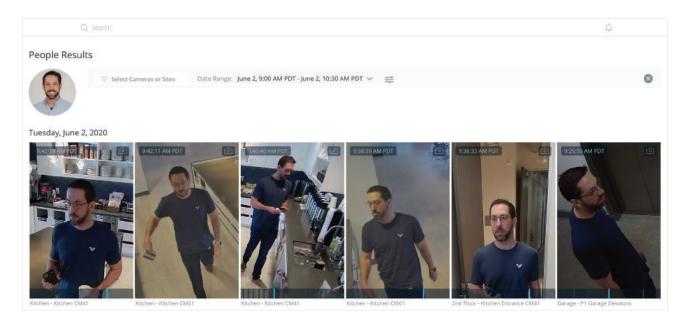
- Unlimited cloud archiving
- Easily export any footage in a shareable MP4 format
- Create and share Live Links with first responders

Powerful Edge-Based Analytics

- Search footage by date, time, and motion
- Access People and Vehicle Analytics to simplify investigations

People Analytics

Simplify and speed up investigations with intelligent people and face detection



People Analytics combines intelligent edge-based video processing with computer vision in the cloud to give users high-quality images of all individuals identified in the scene. With Verkada's centralized management platform, customers can filter people by various attributes, including date, time, appearance, clothing color, backpack detection, and facial matches.

Bring Intelligence to Investigations

Face Search

• Quickly search for matching people by selecting an existing face from your organization or by uploading an image

Person History

- Browse through high-resolution snapshots of people detected in frame
- Save snapshots or easily access associated full-res video
- Search for matched people across your entire organization with cross-camera search.

Attribute Filters

• Filter based on a range of attributes, including clothing color, gender appearance, and facial matches.

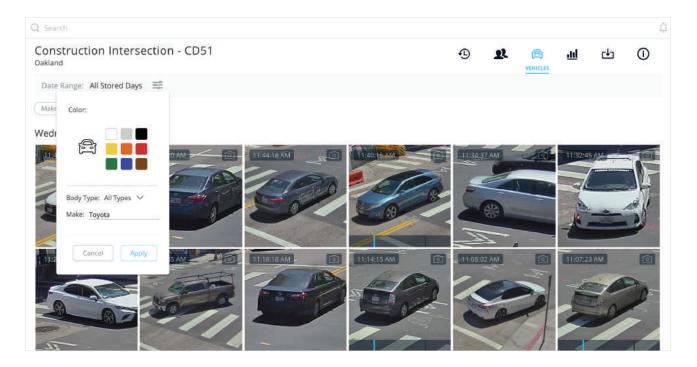
Person of Interest Notifications

- Set up proactive SMS/email notifications for alerting when a matching face is detected by a camera
- Create a person of interest by using an uploaded image or an existing face from your organization



Vehicle Analytics

Quickly search and filter to find vehicles of interest



Vehicle Analytics is a powerful edge-based feature that gives users high-quality images of all vehicles identified in the scene. With Verkada's centralized management platform, customers can filter vehicles by date, time, vehicle make, color, and body type.

Find and Filter Vehicles with Ease

Vehicle History

- Browse through high-resolution snapshots of vehicles detected in frame
- Save snapshots or easily access associated full-res video

Vehicle Filters

• Filter based on a range of attributes, including vehicle color, make, and body type.

Cross-Camera Tracking

- Easily find similar vehicles of interest across all cameras deployed across all sites
- Create and export playback of multiple angles of a vehicle to quickly provide evidence



Verkada's Bullet Series Hardware

Tough, durable form factors delivering powerful security anywhere.



Built Tough

- IK10-rated CNC aluminum housing for unmatched precision and durability
- Waterproof IP67-rated hermetically sealed lens assembly

High-Capacity Storage

- Enterprise-grade solid-state drives provide up to 365 days of continuous recording
- Wide range of storage options to ensure your organization meets all compliance requirements

Uncompromised Image Quality

- High image resolution up to ultra-HD 4K
- Up to 3x optical zoom
- Long-range IR sensors for enhanced nighttime viewing
- Built-in shield to protect lens from obstruction

Powerful Onboard Processing

• The Bullet Series is powered by an Ambarella chipset, enabling super-fast processing of Verkada's edgebased video analytics



	Bullet Series				
	CB51-E	CB61-E			
Image Resolution	5MP (2688 x 1944)	4K (3840 x 2160)			
Lens Type	3x Optic	tal Zoom			
Image Sensor	1/2.8" Progre	essive CMOS			
Focal Length	f=2.8mm-8mm				
Iris	P-Iris				
Aperture	F1.3·	-F2.4			
Field of View	Horizontal: 41°-95° Vertical: 40°-59° Diagonal: 50°-105°	Horizontal: 42°-95° Vertical: 25°-48° Diagonal: 49°-100°			
IR Range	30m / 98ft	in low light			
Resistance Rating	IK10,	IK10, IP67			
Dimensions	Ø: 81 L: 263mm with mountplate				
Operating Specs	Power: 12W (IEEE 802.3af PoE), 20W (IEEEE 802.3at PoE) Temperature: -20°C - 50°C (14°F - 122°F), 802.3af / -40°C - 50°C (-40°F - 122°F), 802.3at Humidity: 90%				
Connectivity	10/100Mb RJ-45 Cable Connect	tor for Network/PoE Connection			



Ordering Information | Bullet Series

Product Name	MP	WDR	Lens	Grade	IR	Onboard Retention	People/ Vehicle Analytics	Cost (MSRP)
CB51-30E-HW	5.0	✓	Zoom	Outdoor	✓	30 Days	✓	\$1,399
CB51-60E-HW	5.0	 ✓ 	Zoom	Outdoor	✓	60 Days	1	\$1,799
CB51-90E-HW	5.0	 ✓ 	Zoom	Outdoor	✓	90 Days	1	\$2,199
CB51-365E-HW	5.0	✓	Zoom	Outdoor	✓	365 Days	1	\$3,599
CB61-30E-HW	8.0	 ✓ 	Zoom	Outdoor	✓	30 Days	✓	\$1,799
CB61-60E-HW	8.0	✓	Zoom	Outdoor	✓	60 Days	√	\$2,699
CB61-90E-HW	8.0	✓	Zoom	Outdoor	✓	90 Days	✓	\$3,599

Ordering Information | Cloud License

Product Name	Years	Cost Per Camera (MSRP)
LIC-1Y	1 Year Camera License	\$199
LIC-3Y	3 Year Camera License	\$499
LIC-5Y	5 Year Camera License	\$799
LIC-10Y	10 Year Camera License	\$1,599

Ordering Information | Viewing Station

Product Name	Description	Cost (MSRP)
VX51	Viewing Station	\$1,999
LIC-VX-1Y	1 Year Viewing Station License	\$499
LIC-VX-3Y	3 Year Viewing Station License	\$1,299
LIC-VX-5Y	5 Year Viewing Station License	\$1,999
LIC-VX-10Y	10 Year Viewing Station License	\$3,999





Dome Series

Powerful video security built for any environment





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Overview

Verkada's Dome Series delivers enterprise-grade security in a wide range of options for any indoor or outdoor environment, including image resolutions up to ultra-HD 4K. Each dome camera features a rugged, vandal-resistant design, simple installation, and 8x more processing power than the previous generation to unlock edge-based analytics for advanced people and vehicle insights.

All cameras in the Dome Series are part of Verkada's line of hybrid cloud cameras and work out-of-the-box without any additional downloads or configurations. With standard features like end-to-end encryption, onboard storage, and advanced motion-based insights, organizations are able to quickly scale their coverage and increase situational awareness across any number of locations.

The Dome Series' powerful processing delivers advanced computer vision features including Verkada's edge-based People and Vehicle Analytics. With these insights, users can quickly filter people detected based on a variety of attributes, including clothing color, gender traits, and facial matches as well as vehicles by make, model, and color. The footage is all processed directly on the camera, meaning results are nearly instant and always accessible.

Industry-Leading 10-Year Product Warranty

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Key Features

- Wide range of models for indoor and outdoor video security
- Highly durable, vandalresistant form factor
- High-resolution image quality up to ultra-HD 4K
- Indoor models with IK08 rating
- Outdoor models with IP67 and IK10 rating
- Edge-based processing for motion, People, and Vehicle Analytics
- Low-bandwidth impact, only using 20-50 Kbps per camera at rest
- Cameras with up to 365 days of onboard storage



Verkada's Hybrid Cloud Architecture



No NVR or DVRS Industrial-grade solid state storage saves up to 365 days of continuous video



Easy to Scale Bandwidth friendly and supports thousands of cameras across unlimited locations



Centralized Management Modern platform enables secure access on any device from anywhere in the world

The reliability of on-camera solid-state storage, with the accessibility of the cloud

Simple to Install

- No NVRs, DVRs, or servers—just a PoE connection
- Cameras come online and configure in minutes
- No added software or complexities like port forwarding

Easy to Use

- Centralized management for seamless access anywhere
- No training required to access footage and features
- Find, download, and share footage from any device

Advantages of Cloud-Managed Solution

- Secure remote access on any device anywhere
- Real-time alerts if cameras fall offline
- SAML-based integration with single-sign on (SSO) solutions
- Continuous updates with new AI features
- Instantly share live footage via SMS and email
- · Live, proactive alerting based on unusual activity
- People counting and heatmaps to visualize your space

Ready For Scale

- Bandwidth-friendly, using 5-20 Kbps per camera
- Scale to thousands of cameras across all locations
- No added equipment needed to support additional cameras

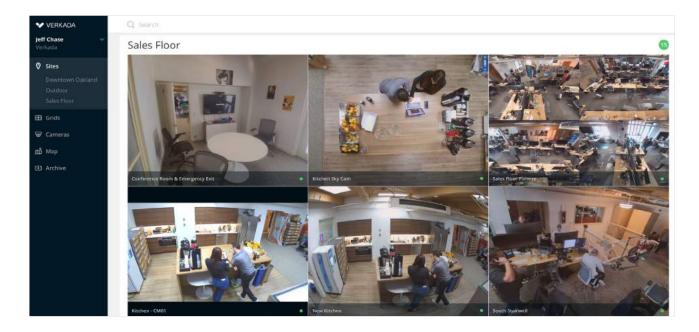
No Hidden Costs

- Hardware includes an industry-leading 10-year warranty
- Automatic firmware updates keep systems secure
- New features and enhancements are added at no additional costs



Command Platform Overview

All-in-one cloud-based management software for Verkada security cameras



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User Permissions & Account Security

- SAML/OAuth support for single sign-on
- 2-factor authentication
- User permissions can be controlled at camera, site and organization levels

Remote Access

- Access from any device (desktops, smartphones, tablets)
- Native apps for iOS and Android, Apple TV, and Verkada's VX51 Viewing Station

Archiving and Sharing

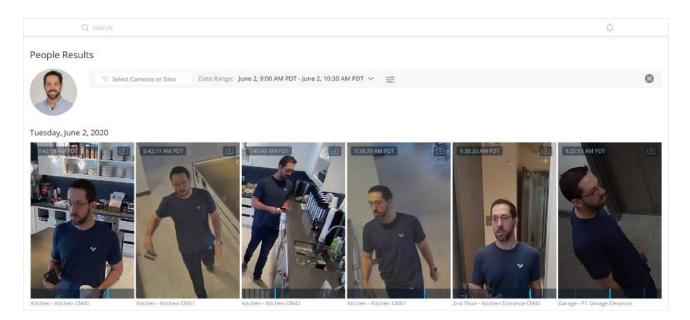
- Command licenses include unlimited cloud archiving
- Easily export any footage in a shareable MP4 format
- Create and share Live Links with first responders

Powerful Edge-Based Analytics

- Search footage by date, time, and motion
- Access People and Vehicle Analytics to simplify investigations

Verkada's People Analytics

Simplify and speed up investigations with intelligent people and face detection



Available across Verkada's Dome Series, People Analytics combines intelligent edge-based video processing with computer vision in the cloud to give users high-quality images of all individuals identified in the scene. With Verkada's centralized management platform, customers can filter people by various attributes, including date, time, appearance, clothing color, backpack detection, and facial matches.

Bring Intelligence to Investigations

Face Search

• Quickly search for matching people by selecting an existing face from your organization or by uploading an image

Person History

- Browse through high-resolution snapshots of people detected in frame
- Save snapshots or easily access associated full-res video

Investigate Anywhere

• People Analytics is available from any device and can be accessed from virtually anywhere in the world

Attribute Filters

• Filter based on a range of attributes, including clothing color, gender appearance, and facial matches.

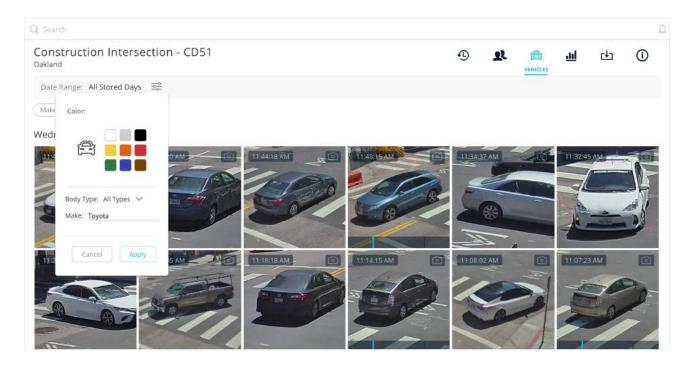
Cross-Camera Tracking

- Easily find potential suspects or people of interest across all cameras deployed across all sites
- Create and export playback of multiple angles of a person to quickly provide evidence



Verkada's Vehicle Analytics

Quickly search and filter to find vehicles of interest



With Verkada's Dome Series, customers have access to Vehicle Analytics – a powerful edge-based feature that gives users high-quality images of all vehicles identified in the scene. With Verkada's centralized management platform, customers can filter vehicles by date, time, vehicle make, color, and body type.

Find and Filter Vehicles with Ease

Vehicle History

- Browse through high-resolution snapshots of vehicles detected in frame
- Save snapshots or easily access associated full-res video

Investigate Anywhere

• Vehicle Analytics is available from any device and can be accessed from virtually anywhere in the world

Cross-Camera Tracking

- Easily find similar vehicles of interest across all cameras deployed across all sites
- Create and export playback of multiple angles of a vehicle to quickly provide evidence

Attribute Filters

• Filter based on a range of attributes, including vehicle color, make, and body type.



	Indoor Dome Series				
	CD31	CD41	CD51	CD61	
Image Resolution	2MP (1920 x 1080)	5MP (2688 x 1944)	5MP (2688 x 1944)	4K (3840 x 2160)	
Lens Type	Fix	xed	3x Optic	al Zoom	
Image Sensor		1/2.8" Progressive CMOS			
Focal Length	f=2.	8mm	f=2.8-8mm		
Iris	Fix	xed	P-Iris		
Aperture	F	1.6	F1.3-F2.4		
Field of View	Vertic	ntal: 97° :al: 71° :al: 128°	Horizontal: 38° to 105° Vertical 29° to 77° Diagonal 48° to 126°	Horizontal: 41° to 116° Vertical 23° to 62° Diagonal 47° to 136°	
IR Range	15m/50ft	in low light	30m / 98ft in low light		
Resistance Rating	IK08, FCC, IEC60950-1				
Dimensions	With mount plate: Ø: 146mm / 5.75in, H: 104.3mm / 4.11in ; 736g / 25.96oz Without mount plate: Ø: 146mm / 5.75in, H: 99.8mm / 3.93in ; 593g / 20.92oz				
Operating Specs	Power: 11W (IEEE 802.3af PoE) Temperature: -10°C - 50°C (14°F - 122°F) Humidity: 90%				
Connectivity	Ethernet: 1	0/100Mbps RJ-45 cable co	onnector for Network/PoE	connection	

	Outdoor Dome Series				
	CD31-E	CD41-E	CD51-E	CD61-E	
Image Resolution	2MP (1920 x 1080)	5MP (2688 x 1944)	5MP (2688 x 1944)	4K (3840 x 2160)	
Lens Type	Fiz	xed	3x Optic	al Zoom	
Image Sensor	1/2.8" Progressive CMOS				
Focal Length	f=2.	8mm	f=2.8-8mm		
Iris	Fi	xed	P-Iris		
Aperture	F	1.6	F1.3-F2.4		
Field of View	Vertic	ntal: 97° :al: 71° :al: 128°	Horizontal: 38° to 105° Vertical 29° to 77° Diagonal 48° to 126°	Horizontal: 41° to 116° Vertical 23° to 62° Diagonal 47° to 136°	
IR Range	15m / 50ft	in low light	30m / 98ft in low light		
Resistance Rating		IK10, IP67, FC	C, IEC60950-1		
Dimensions	With mount plate: Ø: 155mm / 6.1in, H: 114.6mm / 4.51in ; 996g / 35.13oz Without mount plate: Ø: 155mm / 6.1in, H: 107.6mm / 4.24in ; 818g / 28.85oz				
Operating Specs	Power: 12W (IEEE 802.3af PoE) ; Extended Temperature Range: 20W (IEEE 802.3at PoE) Temperature: -20°C - 50°C / -4°F - 122°F, PoE 802.3af ; -40°C - 50°C / -40°F - 122°F, PoE 802.3at Humidity: 90%				
Connectivity	Ethernet: 1	0/100Mbps RJ-45 cable co	nnector for Network/PoE	connection	



Ordering Information | Indoor Dome Series

Product Name	MP	WDR	Lens	IR	Onboard Retention	People/Vehicle Analytics	Cost (MSRP)
CD31-15-HW	2.0	v	Fixed	15m	15 Days	v	\$599
CD41-30-HW	5.0	✓	Fixed	15m	30 Days	V	\$799
CD41-60-HW	5.0	v	Fixed	15m	60 Days	✓	\$1,199
CD41-90-HW	5.0	v	Fixed	15m	90 Days	✓	\$1,599
CD41-120-HW	5.0	v	Fixed	15m	120 Days	✓	\$1,999
CD41-365-HW	5.0	v	Fixed	15m	365 Days	✓	\$2,999
CD51-30-HW	5.0	v	Zoom	30m	30 Days	 ✓ 	\$999
CD51-60-HW	5.0	v	Zoom	30m	60 Days	v	\$1,399
CD51-90-HW	5.0	v	Zoom	30m	90 Days	 ✓ 	\$1,799
CD51-120-HW	5.0	 	Zoom	30m	120 Days	 ✓ 	\$2,199
CD51-365-HW	5.0	 	Zoom	30m	365 Days	V	\$3,199
CD61-30-HW	8.0	 	Zoom	30m	30 Days	 ✓ 	\$1,399
CD61-60-HW	8.0	v	Zoom	30m	60 Days	✓	\$2,299
CD61-90-HW	8.0	v	Zoom	30m	90 Days	✓	\$3,199



Ordering Information | Outdoor Dome Series

Product Name	MP	WDR	Lens	IR	Onboard Retention	People/Vehicle Analytics	Cost (MSRP)
CD31-15E-HW	2.0	×	Fixed	15m	15 Days	v	\$799
CD41-30E-HW	5.0	v	Fixed	15m	30 Days	~	\$999
CD41-60E-HW	5.0	×	Fixed	15m	60 Days	~	\$1,399
CD41-90E-HW	5.0	v	Fixed	15m	90 Days	~	\$1,799
CD41-120E-HW	5.0	×	Fixed	15m	120 Days	~	\$2,199
CD41-365E-HW	5.0	×	Fixed	15m	365 Days	~	\$3,199
CD51-30E-HW	5.0	× .	Zoom	30m	30 Days	~	\$1,199
CD51-60E-HW	5.0	×	Zoom	30m	60 Days	~	\$1,599
CD51-90E-HW	5.0	× .	Zoom	30m	90 Days	~	\$1,999
CD51-120E-HW	5.0	× .	Zoom	30m	120 Days	~	\$2,399
CD51-365E-HW	5.0	× .	Zoom	30m	365 Days	~	\$3,399
CD61-30E-HW	8.0	× .	Zoom	30m	30 Days	 ✓ 	\$1,599
CD61-60E-HW	8.0	× .	Zoom	30m	60 Days	 ✓ 	\$2,499
CD61-90E-HW	8.0	× .	Zoom	30m	90 Days	 ✓ 	\$3,399



Ordering Information | Cloud License

Product Name	Years	Cost Per Camera (MSRP)
LIC-1Y	1 Year Camera License	\$199
LIC-3Y	3 Year Camera License	\$499
LIC-5Y	5 Year Camera License	\$799
LIC-10Y	10 Year Camera License	\$1,599

Ordering Information | Accessories

Product Name	Description	Cost (MSRP)
ACC-MNT-2	Mounting arm kit for pendant cap (ACC-MNT-8)	\$89
ACC-MNT-3	Wall mounted L-shaped bracket kit	\$129
ACC-MNT-4	Pole mount adapter kit for ACC-MNT-2 and 3	\$199
ACC-MNT-7	Angle mount kit	\$149
ACC-MNT-8	Pendant cap mount kit	\$69
INJ-POE-PLUS	Verkada PoE Plus (802.3at) Injector, GigE	\$129

Ordering Information | Viewing Station

Product Name	Description	Cost (MSRP)
VX51	Viewing station	\$1,999
LIC-VX-1Y	1 Year Viewing Station License	\$499
LIC-VX-3Y	3 Year Viewing Station License	\$1,299
LIC-VX-5Y	5 Year Viewing Station License	\$1,999
LIC-VX-10Y	10 Year Viewing Station License	\$3,999

For more information and to learn about a free 30-day trial, contact sales@verkada.com.



Fisheye Series

Panoramic views for seamless, 180° coverage in any environment.



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Overview

Verkada's fisheye captures footage in a dynamic panoramic 180°, with options for wide-viewing angles or breaking down any captured environment into quadrants. Capable of being mounted inside or outside, this camera is suitable for any number of surveillance needs.

The D80 is part of Verkada's line of hybrid cloud cameras and are ready out of the box for easy installation without any additional downloads or configurations. With standard features like end-to-end encryption, onboard storage, and advanced motion-based insights, organizations are able to quickly scale their coverage and increase situational awareness across any number of locations.

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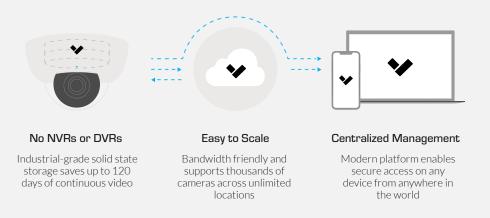
Key Features

- 180° of panoramic views from all angles
- High-resolution image quality with 12MP
- Up to 90 days of onboard video retention
- Can be mounted indoors and outdoors, with IK10 and IP66 ratings
- Low-bandwidth impact, only using 5-20 Kbps per camera at rest





Verkada's Hybrid Cloud Architecture



The reliability of on-camera solid-state storage, with the accessibility of the cloud

Simple to Install

- No NVRs, DVRs, or servers—just a PoE connection
- · Cameras come online and configure in minutes
- · No added software or complexities like port forwarding

Easy to Use

- · Centralized management for seamless access anywhere
- · No training required to access footage and features
- Find, download, and share footage from any device

Advantages of Cloud-Managed Solution

- Secure remote access on any device anywhere
- · Real-time alerts if cameras fall offline
- · SAML-based integration with single-sign on (SSO) solutions
- · Continuous updates with new AI features
- · Instantly share live footage via SMS and email
- · Live, proactive alerting based on unusual activity
- · People counting and heatmaps to visualize your space

Ready For Scale

- Bandwidth-friendly, using 5-20 Kbps per camera
- Scale to thousands of cameras across all locations
- No added equipment needed to support additional cameras

No Hidden Costs

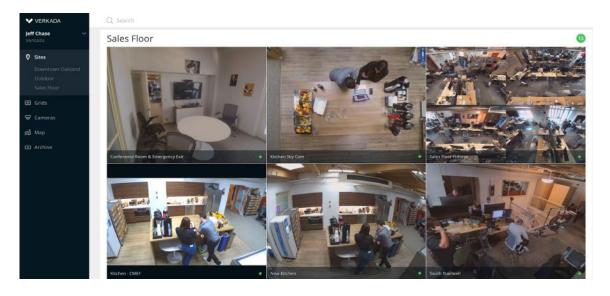
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Remote Access

- · Access from any device (desktops, smartphones, tablets)
- Native apps for iOS and Android, Apple TV, and Verkada's VX51 Viewing Station

User Permissions & Account Security

- SAML/OAuth support for single sign-on
- · 2-factor authentication
- User permissions can be controlled at camera, site and organization levels

Powerful Edge-Based Analytics

· Search footage by date, time, and motion

Archiving and Sharing

- · Command licenses include unlimited cloud archiving
- · Easily export any footage in a shareable MP4 format
- · Create and share Live Links with first responders

Key Features

- View and manage video from any device (desktop, smartphone, tablet)
- No 3rd party plugins, thick clients, or downloads required
- Encryption in transit and at rest
- No port-forwarding or VPNs
- Detailed user access and audit logs
- Live Link sharing
- Unlimited cloud archiving with footage exports in MP4 format
- Alerts for offline cameras, tampering, and motion detection





Fisheve	Fisheye Series				
D8	0				
Image Re	solution				
12MP (400	0 x 3000)				
Lens 7	Гуре				
Fixe	d				
Image S	ensor				
1/1.7" Progres	ssive CMOS				
Focal Le	ength				
f=1.29	mm				
Iris					
Fixe	d				
Apert	ure				
F2.	2				
Field of					
Horizonta Vertical Diagona	180°				
IR Ra	nge				
20m / 65ft i	n low light				
Resistance	e Rating				
IK10, IP66, FCC, I	CES, IEC62368				
Dimens	sions				
With Plate Ø: 155mm x 74.5mm / 6.1 x 2.84 inches	Without Plate Ø: 155mm x 68mm / 6.1 x 2.67 inches				
Operating	g Specs				
802.3af PoE Power: 13W Temperature: -20°C - 50°C (-4°F - 122°F) Humidity: 90%	802.3at PoE+ Power: 24W Temperature: -40°C - 50°C (-40°F - 122°F) Humidity: 90%				
Connec	tivity				
1Gbps RJ-45 Cable Connector	1Gbps RJ-45 Cable Connector for Network/PoE Connection				

VERKADA

Verkada Inc. 405 E 4th Ave, San Mateo, CA, 94401

All specifications are subject to change without notice. Copyright $\ensuremath{\mathbb{C}}$ Verkada Inc . All rights reserved.



Ordering Information | Dome Series

Product Name	MP	WDR	Lens	Туре	IR	Onboard Retention	People/Vehicle Analytics	Price (MSRP)
D80-HW	12MP	\checkmark	Fixed	Outdoor	20m	30 Days	No	\$1,899
D80-60DAY-HW	12MP	\checkmark	Fixed	Outdoor	20m	60 Days	No	\$2,599
D80-90DAY-HW	12MP	\checkmark	Fixed	Outdoor	20m	90 Days	No	\$3,299

Ordering Information | Cloud License

Product Name	Years	Price Per Camera (MSRP)
LIC-1Y	1-year camera cloud license	\$199
LIC-3Y	3-year camera cloud license	\$499
LIC-5Y	5-year camera cloud license	\$799
LIC-10Y	10-year camera cloud license	\$1,599

Ordering Information | Accessories

Product Name	Description	Cost (MSRP)
ACC-MNT-2	Mounting arm kit for pendant cap (ACC-MNT-8)	\$89
ACC-MNT-3	Wall mounted L-shaped bracket kit	\$129
ACC-MNT-4	Pole mount adapter kit for ACC-MNT-2 and 3	\$199
ACC-MNT-7	Angle mount kit	\$149
ACC-MNT-8	Pendant cap mount kit	\$69





Ordering Information | Viewing Station

Product Name	Description	Cost (MSRP)
VX51	Viewing station hardware	\$1,999
VX51-LIC-1Y	1-year VX51 cloud license	\$499
VX51-LIC-3Y	3-year VX51 cloud license	\$1,299
VX51-LIC-5Y	5-year VX51 cloud license	\$1,999
VX51-LIC-10Y	10-year VX51 cloud license	\$3,999

For more information and to learn about a free 30-day trial, contact sales@verkada.com.





Turn-key Technologies, Inc. 2400 Main Street Extension Suite 12 Sayreville, NJ 08872 732-553-9100 www.turn-keytechnologies.com



H5A Camera Line





Features



NEXT-GENERATION VIDEO ANALYTICS Expanded object classifications and more

accurate detection in crowded scenes so you can detect and act faster.



H.265 WITH HDSM SMARTCODEC[™] TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings, helping to keep internet connectivity costs down.



TRUE WIDE DYNAMIC RANGE

Available in all resolutions, capture details in scenes with both very bright and dark areas.



ONVIF[®] COMPLIANT

Built on an open platform to allow integration with other security solutions.



MADE IN NORTH AMERICA AND 5 YEAR WARRANTY

Manufactured in North America* using globally-sourced materials and North American expertise, Avigilon stands behind the quality of its products. Backed by a 5 year warranty.



FOCUS OF ATTENTION WITH ACC[™] 7

Leverages AI and video analytics technologies to determine what information is important and should be presented to security operators.



LIGHTCATCHER[™] TECHNOLOGY

Offers exceptional detail in areas with low lighting.



MULTIPLE LENS OPTIONS

Choose from various lens types, including long zoom, for flexible coverage options.

* With manufacturing facilities in both the United States and Canada, our "Made In North America" claim only applies to products from our Plano, Texas and Richmond, British Columbia facilities.

Specifications

opeen	001010		2.0 MP	4.0 N	1P	5.0 MP		6.0 MP		8.0 MP (4K ULTRA HD)	
IMAGE	Image Sensor		1/2.8" progressive scan CM0	DS				1/1.8" progressive sca)S	
PERFORMANCE	Max Resolution (H x V) and Aspect Ratio				2560 x 1440 304 x 1728	(4:3) 2592 x 1 (16:9) 2560 x		(16:9) 3200 × 1800 (3:2) 3072 × 2048		(16:9) 3840 × 2160	
		WDR Off	83 dB 83 dB		B 83 dB			85 dB		85 dB	
	Dynamic Range	WDR On	126 dB (dual exposure, 30 fps) 132 dB (triple exposure, 20 fps or less)	126 dI	3	126 dB	120 dB		120 dB		
	Max Image Ra	ite	(50 Hz/60 Hz): 25 fps/30 fps		off (50 Hz/60 Hz): 25 f on (50 Hz/60 Hz): 20 f			50 Hz/60 Hz): 25 fps	s/30 fps		
	Bandwidth Ma	anagement	HDSM SmartCodec technolo	ogy; Idl	e scene mode						
	3D Noise Red	uction Filter	Yes								
			3.3 – 9 mm		4.9 – 8 mm		9 – 22 mm		4.7 -	84.6 mm	
LENS AND IR	IR Illumination Max Distance		35 m (115 ft), full tele 15 m (49 ft), full wide		30 m (98 ft), full tele 15 m (49 ft), full wide		N/A		N/A		
	(high power 850 nm LEDs	Bullet	50 m (164 ft), full tele 30 m (98 ft), full wide		50 m (164 ft), full tele 30 m (98 ft), full wide		90 m (295 ft), 60 m (197 ft),		N/A		
		2 MP	0.027 lux in color mode, 0.014 lux in monochrome m 0 lux with IR	ode,	N/A		0.052 lux in color mode, 0.026 lux in monochrome mode, 0 lux with IR		0.039 lux in color mode, 0.02 lux in monochrome mode,		
	Minimum Illumination	4 MP	0.03 lux in color mode, 0.015 lux in monochrome m 0 lux with IR	ode,	N/A le,		0.058 lux in color mode, 0.029 lux in monochrome mode, 0 lux with IR		N/A		
		5 MP	N/A		N/A		0.058 lux in c 0.029 lux in n 0 lux with IR	olor mode, nonochrome mode,	N/A		
		6 MP		N/A		0.055 lux in color mo 0.028 lux in monoch 0 lux with IR		N/A		N/A	
		8 MP	N/A		0.055 lux in color mode, 0.028 lux in monochrome mode, 0 lux with IR		N/A		N/A		
		2 MP	(16:9) 34° – 99°		N/A		(16:9) 14° – 31°		(16:9) 4	4.1° – 60°	
	Horizontal	4 MP	(16:9)(4:3) 34° – 92°		N/A		(16:9)(4:3) 14° - 31° (4:3) 11° - 24°		N/A		
	Angle of View Based on	5 MP	N/A		N/A		(16:9)(4:3) 14° - 31°		N/A		
	Aspect Ratio	6 MP	N/A		(16:9) 52° – 92° (3:2) 41° – 73°		N/A		N/A		
		8 MP	N/A		(16:9) 52° – 92°		N/A		N/A		
		2 MP	(16:9) 18° – 53°		N/A		(16:9) 7.8° – 16	5.7°	(16:9)	2.3° – 34°	
	Vertical Angle	4 MP	(16:9) 18° – 50° (4:3) 25° – 68°		N/A		(16:9) 8.2° – 17	7.4°	N/A		
	of View Based on	5 MP	N/A		N/A		(16:9) 8.1° – 17.4° (4:3) 11° – 23°		N/A		
	Aspect Ratio	6 MP	N/A		(16:9) 29° – 51° (3:2) 27° – 48°		N/A		N/A		
		8 MP	N/A		(16:9) 29° – 51°		N/A		N/A		
	Max Aperture		F1.3		F1.8		F1.6		F1.6		
	Control		P-Iris, Remote Focus and Zo	om							

¹ IR illumination power may be reduced at higher operating temperatures.

IMAGE CONTROL	Image Com Method	pression	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG				
	Streaming		Multi-stream H.264, Multi-stream H.265, Motion JPEG; HDSM 2.0 on 4.0 MP, 5.0 MP, 6.0 MP, and 4K (8.0 MP) cameras				
	Motion Det	ection	Pixel motion: Selectable sensitivity and threshold. Classified object detection				
	Camera Tar	mper Detection	Yes				
	Electronic S	Shutter Control	Automatic, Manual (1/7 to 1/8196 sec)				
	Iris Control		Automatic, Open, Closed				
	Day/Night (Control	Automatic, Manual				
	Flicker Con	trol	60 Hz, 50 Hz				
	White Balar	nce	Automatic, Manual				
	Backlight Compensation		Adjustable				
	Privacy Zor	ies	Up to 64 zones				
NETWORK	Network		100BASE-TX, RJ45 Connector, CAT5e Cabling				
	ONVIF		ONVIF compliance version 1.02, 2.00, Profile S, Profile T (www.onvif.org)				
	Security		Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication				
	Protocols		IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP				
	Streaming I	Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP				
	Device Mana	agement Protocols	SNMP v2c, SNMP v3				
PERIPHERALS	USB Port		USB 2.0				
	Onboard	Dome	microSD/microSDHC/microSDXC slot – class 10/UHS-1 or better recommended				
	Storage	Bullet and Box	SD/SDHC/SDXC slot – class 10/UHS-1 or better recommended				

Specifications (Con't)

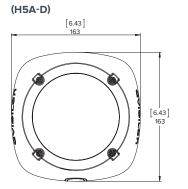
		anta a Mantha a d								
AUXILIARY I/O	Audio Compression Method									
	Audio Input/C		Line level input and output							
	External I/O T	erminals	Alarm In, Alarm Out							
	RS-485 Termi	nal	Yes, Box camera only							
MECHANICAL (DOME)			INDOOR SURFACE MOUNT	INDOOR IN-CEILING MOUNT	OUTDOOR SURFACE MOUNT					
(20112)	Dimensions (I	_xWxH)	163 mm x 163 mm x 118 mm; 6.4" x 6.4" x 4.7"	181 mm x 181 mm x 164 mm; 7.1" x 7.1" x 6.5"	163 mm x 163 mm x 121 mm; 6.4" x 6.4" x 4.8"					
	Weight		0.99 kg (2.18 lbs)	1.64 kg (3.62 lbs)	1.39 kg (3.06 lbs)					
	Dome Bubble			1.04 kg (3.02 lbs)	1.33 Kg (5.00 lbs)					
			Polycarbonate		A L					
	Body		Plastic, Aluminum	-	Aluminum					
	Housing		Surface mount, tamper resistant	Recessed mount, tamper resistant	Surface mount, vandal resistant					
	Finish		Plastic, gray	Plastic, gray; Aluminum, powder coat, black	Powder coat, RAL 9003					
	Adjustment Ra	ange	360° pan, ±180° azimuth, 9° – 95° tilt (30° – 95°	with -IR option)						
MECHANICAL			PENDANT CAMERA ONLY	WITH WALL MOUNT (H4A-MT-WALL1)	WITH NPT MOUNT (H4A-MT-NPTA1)					
(PENDANT DOME)			172 mm x 172 mm x 124 mm;	275 mm x 172 mm x 152.1 mm;	172 mm x 172 mm x 172.3 mm;					
	Dimensions (I	_xWxH)	6.8" x 6.8" x 4.9"	10.8" x 6.8" x 6.0"	6.8" x 6.8" x 6.8"					
	Weight		1.59 kg (3.51 lbs)	3.04 kg (6.70 lbs)	1.84 kg (4.06 lbs)					
	Dome Bubble		Polycarbonate							
	Body		Aluminum							
	Housing		Pendant mount, vandal resistant							
	Finish		Powder coat, RAL 9003							
	Adjustment Ra	ande	360° pan, ±180° azimuth, 9° – 95° tilt (30° – 95°	with -IR option)						
	.,	5.								
MECHANICAL	Dimensions (I	xW/xH)	280 mm x 126 mm x 91 mm; 11.04" x 4.97" x 3.5	8" (including mounting bracket)						
(BULLET)	Carr	•	1.71 kg (3.77 lbs)	o (melading mounting bracket)						
	Weight									
	Mounting Bracket Body									
	Housing		Aluminum Surface mount, tamper resistant							
	Finish		Powder coat, RAL 9003							
	Adjustment Ra	2000	\pm 175° pan, \pm 90° tilt, \pm 175° azimuth							
	Aujustment K	inge								
MECHANICAL	Dimensions (I		169 mm x 76 mm x 67 mm; 6 6" x 3 0" x 3 6"							
(BOX)			168 mm x 76 mm x 67 mm; 6.6" x 3.0" x 2.6" 0.62 kg (1.4 lbs)							
	Weight Body		Aluminum							
	Camera Moun	+	Aluminum 1/4"-20 UNC (top and bottom)							
	Finish		Powder coat, black							
EL EOTRICAL		Bullet	13 W max							
ELECTRICAL	Power		13 W max (11 W with no IR or IR disabled)							
	Consumption	Dome	, , , , , , , , , , , , , , , , , , ,							
		Box	7 W max							
	Power	Bullet	VDC: 12 V ± 10%, 13 W min	VAC: 24 V ± 10%, 15 VA min	PoE: IEEE802.3af Class 3 compliant					
	Source	Dome	VDC: 12 V ± 10%, 12 W min	VAC: 24 V ± 10%, 13 VA min	PoE: IEEE802.3af Class 3 compliant					
		Box	VDC: 12 V ± 10%, 7 W min	VAC: 24 V ± 10%, 9 VA min	PoE: IEEE802.3af Class 3 compliant					
	RTC Backup I	Battery	3V manganese lithium							
		-								
ENVIRONMENTAL		Bullet	-40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient							
	Operating Temperature	Dome	-40 °C to +65 °C (-40 °F to 149 °F)							
	remperature	Box	-10 °C to +60 °C (-14 °F to 140 °F)							
		Bullet	IR illuminator will turn off if the temperature is 6	1 °C (141 °F) or higher. The illuminator will operat	e at 50% power if the temperature is between					
			55 °C (131 °F) and 61 °C (141 °F). Hysteresis: 5 °C							
	IR Illuminator Behavior	Indoor Dome	IR illuminator will turn off if the temperature is 5 44 $^{\circ}$ C (111 $^{\circ}$ F) and 55 $^{\circ}$ C (131 $^{\circ}$ F). Hysteresis: 2 $^{\circ}$ C		te at 50% power if the temperature is between					
	Dellavioi	Outdoor Dome			te at 50% power if the temperature is between					
			IR illuminator will turn off if the temperature is 57 °C (135 °F) or higher. The illuminator will operate at 50% power if the temperature is between 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C (3.6 °F).							
	Storage Temp	perature	-10 °C to +70 °C (14 °F to 158 °F)							
	Humidity		0 - 95% non-condensing							
CERTIFICATIONS	Certifications	Directives	UL, cUL, CE, ROHS, Reach (SVHC), RCM							
	Safety		UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC							
	Environ-	Bullet	UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP	67 Weather Rating, IEC 62262 IK10 Impact Ratin	ng					
	mental		UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP							
			FCC Part 15 Subpart B Class B, IC ICES-003 Clas	ss B, EN 55032 Class B, EN 61000-6-3, EN 61000	0-3-2, EN 61000-3-3					
	Electromagne	etic Immunity	EN 55024, EN 61000-6-1							

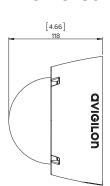
Analytics Specifications

SUPPORTED	Objects in Area	The event is triggered when the selected object type moves into the region of interest.
ANALYTICS EVENTS	Object Loitering	The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.
	Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
	Object Appears or Enters Area	The 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 moves into a region of interest and then 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 CLASSIFIED	Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person
OBJECT TYPES	Object Types in Indoor Mode	Person
TEACH BY EXAMPLE	Teach By Example	Yes, when used with Avigilon Control Center™
AVIGILON CONTROL CENTER (ACC) VERSIONS	ACC Version 6.14.12 or higher	All supported analytic events with two types of classified objects: person or vehicle. Appearance search when paired with appropriate server hardware. H.265 supported.
SUPPORTED FEATURES	ACC Version 7.2 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. H.265 supported.

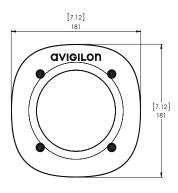
Outline Dimensions

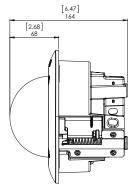
Surface Mount Indoor Dome Camera

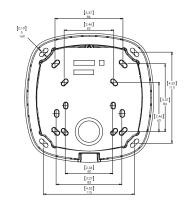




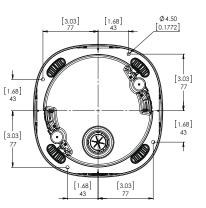
In-Ceiling Dome Camera (H5A-DC)





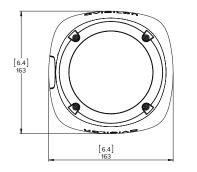


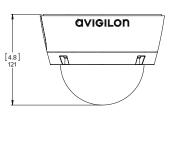


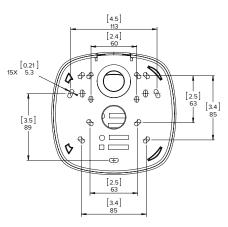


Outline Dimensions (Con't)

Surface Mount Outdoor Dome Camera (H5A-DO)



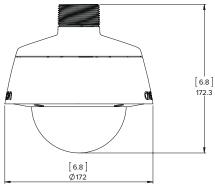


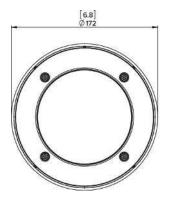




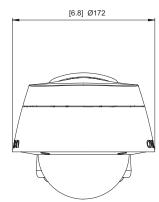
Pendant Dome Camera

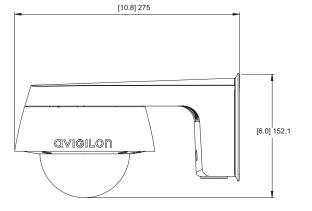


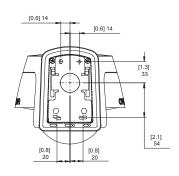




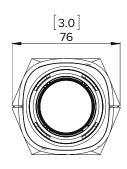
WITH WALL MOUNT (H4A-MT-WALL1)

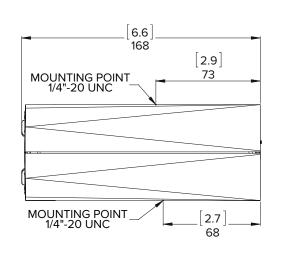


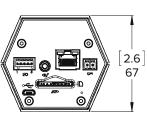




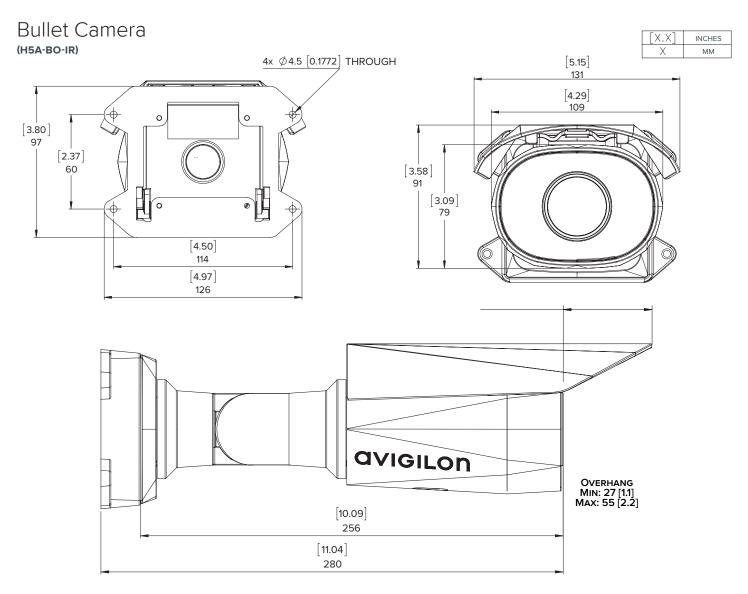
Box Camera (H5A-B)



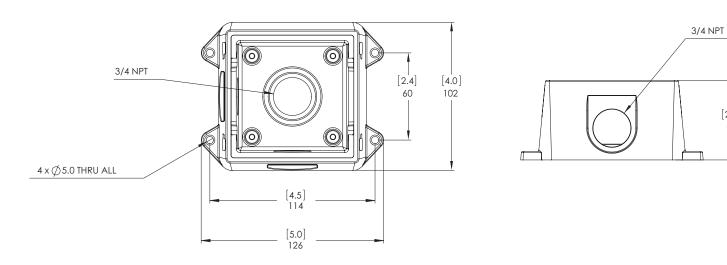




Outline Dimensions (Con't)



HD Bullet Camera Junction Box (H4-B0-JB0X1)



[2.2] 55

Ordering Information (Outdoor Dome and Bullet)

Surface Mount Outdoor Dome Camera

(H5A-DO)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec			
2.0C-H5A-DO1	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark			
2.0C-H5A-DO1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark			
2.0C-H5A-DO2	2.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark			
4.0C-H5A-DO1	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark			
4.0C-H5A-DO1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark			
4.0C-H5A-DO2	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark			
5.0C-H5A-DO2	5.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark			
6.0C-H5A-DO1	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark			
6.0C-H5A-DO1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark			
8.0C-H5A-DO1	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark			
8.0C-H5A-DO1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark			
H4A-DO-SMOK1	Outdoor dome came	era cover with smoke	ed bubble							
H4A-DO-CLER1	Outdoor dome came	era cover with clear l	oubble							
H4A-AC-GROM1	Camera sealing gror	nmet, pack of 10								
CM-AC-GROM1	Pipe grommet, pack	Pipe grommet, pack of 10								
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter	ISB Wi-Fi adapter								
CM-AC-AVIO1	3.5 mm jack with 1.8	m fly wire								

Pendant Mount Outdoor Dome Camera

(H5A-DP)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec			
2.0C-H5A-DP1	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark			
2.0C-H5A-DP1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark			
2.0C-H5A-DP2	2.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark			
4.0C-H5A-DP1	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark			
4.0C-H5A-DP1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark			
4.0C-H5A-DP2	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark			
5.0C-H5A-DP2	5.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark			
6.0C-H5A-DP1	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark			
6.0C-H5A-DP1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark			
8.0C-H5A-DP1	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark			
8.0C-H5A-DP1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark			
H4A-DP-SMOK1	Pendant dome came	era cover with smoke	d bubble							
H4A-DP-CLER1	Pendant dome came	era cover with clear b	oubble							
H4A-MT-WALL1	Indoor/outdoor pend	lant wall arm mount								
H4A-MT-NPTA1	Indoor/outdoor pend	lant NPT mount								
H4-MT-POLE1	Aluminum pole mour	nting bracket for pen	dant dome cameras							
H4-MT-CRNR1	Aluminum corner mo	Aluminum corner mounting bracket for pendant dome cameras								
CM-AC-GROM1	Pipe grommet, pack	ipe grommet, pack of 10								
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter									
CM-AC-AVIO1	3.5 mm jack with 1.8	m fly wire								

Outdoor Bullet Camera

(H5A-BO-IR)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec			
2.0C-H5A-BO1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark			
2.0C-H5A-BO2-IR	2.0	\checkmark	\checkmark	9 - 22 mm	\checkmark	\checkmark	\checkmark			
4.0C-H5A-BO1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark			
4.0C-H5A-BO2-IR	4.0	\checkmark	\checkmark	9 - 22 mm	\checkmark	\checkmark	\checkmark			
5.0C-H5A-BO2-IR	5.0	\checkmark	\checkmark	9 - 22 mm	\checkmark	\checkmark	\checkmark			
6.0C-H5A-BO1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark			
8.0C-H5A-BO1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark			
H4-BO-JBOX1	Junction box for bul	let cameras								
H4-MT-POLE1	Aluminum pole mou	Aluminum pole mounting bracket for bullet cameras								
H4-MT-CRNR1	Aluminum corner me	Aluminum corner mounting bracket for bullet cameras								
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter									

Ordering Information (Indoor Box and Dome)

Box Camera

(H5A-B)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec
2.0C-H5A-B1	2.0	\checkmark	\checkmark	4.7 - 84.6 mm		\checkmark	\checkmark
2.0C-H5A-B2	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-B2	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-B3	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
6.0C-H5A-B2	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
8.0C-H5A-B2	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter						

CM-AC-AVIO1

3.5 mm jack with 1.8 m fly wire

Surface Mount Indoor Dome Camera

(H5A-D)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec	
2.0C-H5A-D1	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark	
2.0C-H5A-D1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark	
2.0C-H5A-D2	2.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark	
4.0C-H5A-D1	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark	
4.0C-H5A-D1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark	
4.0C-H5A-D2	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark	
6.0C-H5A-D1	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark	
6.0C-H5A-D1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark	
8.0C-H5A-D1	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark	
8.0C-H5A-D1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark	
H4A-DD-SMOK1	Indoor dome camera cover with smoked bubble							
H4A-DD-CLER1	Indoor dome camera	a cover with clear bul	bble					
H4A-DD-SMOK1-BL	Black indoor dome o	amera cover with sm	noked bubble					
H4A-DD-CLER1-BL	Black indoor dome o	amera cover with cle	ear bubble					
H4A-DD-SDWL1	Indoor dome camera sidewall knockout plug, pack of 5							
H4A-DD-SDWL1-BL	Black indoor dome camera sidewall knockout plug, pack of 5							
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter	USB Wi-Fi adapter						
CM-AC-AVIO1	3.5 mm jack with 1.8	m fly wire						

In-Ceiling Mount Indoor Dome Camera

(H5A-DC)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec
2.0C-H5A-DC1	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
2.0C-H5A-DC1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
2.0C-H5A-DC2	2.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
4.0C-H5A-DC1	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-DC1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
4.0C-H5A-DC2	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
6.0C-H5A-DC1	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
6.0C-H5A-DC1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
8.0C-H5A-DC1	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
8.0C-H5A-DC1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
H4A-DC-SMOK1	In-ceiling dome cam	era cover with smoke	ed bubble				

In-ceiling dome camera cover with smoked bubble
In-ceiling dome camera cover with clear bubble
Black in-ceiling dome camera cover with smoked bubble
Black in-ceiling dome camera cover with clear bubble
Metal ceiling panel
Camera sealing grommet, pack of 10
USB Wi-Fi adapter
3.5 mm jack with 1.8 m fly wire

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Turn-key Technologies, Inc. 2400 Main Street Extension Suite 12 Sayreville, NJ 08872 732-553-9100 www.turn-keytechnologies.com



H5A Camera Line





Features



NEXT-GENERATION VIDEO ANALYTICS Expanded object classifications and more

accurate detection in crowded scenes so you can detect and act faster.



H.265 WITH HDSM SMARTCODEC[™] TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings, helping to keep internet connectivity costs down.



TRUE WIDE DYNAMIC RANGE

Available in all resolutions, capture details in scenes with both very bright and dark areas.



ONVIF[®] COMPLIANT

Built on an open platform to allow integration with other security solutions.



MADE IN NORTH AMERICA AND 5 YEAR WARRANTY

Manufactured in North America* using globally-sourced materials and North American expertise, Avigilon stands behind the quality of its products. Backed by a 5 year warranty.



FOCUS OF ATTENTION WITH ACC[™] 7

Leverages AI and video analytics technologies to determine what information is important and should be presented to security operators.



LIGHTCATCHER[™] TECHNOLOGY

Offers exceptional detail in areas with low lighting.



MULTIPLE LENS OPTIONS

Choose from various lens types, including long zoom, for flexible coverage options.

Specifications

opeen	001010		2.0 MP	4.0 N	/IP	5.0 MP		6.0 MP		8.0 MP (4K ULTRA HD)
IMAGE	Image Sensor		1/2.8" progressive scan CMC	DS				1/1.8" progressive sca	an CMC	S
PERFORMANCE	FORMANCE Max Resolution Aspect Ratio		(16:9) 1920 × 1080		2560 x 1440 2304 x 1728	(4:3) 2592 x 1 (16:9) 2560 x		(16:9) 3200 × 1800 (3:2) 3072 × 2048		(16:9) 3840 × 2160
	WDR Off	83 dB	83 dB	1	83 dB		85 dB		85 dB	
	Dynamic Range	WDR On	126 dB (dual exposure, 30 fps) 132 dB (triple exposure, 20 fps or less)	126 dl	В	126 dB		120 dB		120 dB
	Max Image Rate		(50 Hz/60 Hz): WDR off (50 Hz/60 Hz): 25 fps/30 fps 25 fps/30 fps WDR on (50 Hz/60 Hz): 20 fps/20 fps			50 Hz/60 Hz): 25 fps/30 fps				
	Bandwidth Management		HDSM SmartCodec technology; Idle scene mode							
	3D Noise Red	uction Filter	Yes							
			3.3 – 9 mm		4.9 – 8 mm		9 – 22 mm		4.7 -	84.6 mm
LENS AND IR	IR Illumination Max Distance		35 m (115 ft), full tele 15 m (49 ft), full wide		30 m (98 ft), full tele 15 m (49 ft), full wide		N/A		N/A	
	(high power 850 nm LEDs)	Bullet	50 m (164 ft), full tele 30 m (98 ft), full wide		50 m (164 ft), full tele 30 m (98 ft), full wide		90 m (295 ft), 60 m (197 ft), f		N/A	
		2 MP	0.027 lux in color mode, 0.014 lux in monochrome mo 0 lux with IR	ode,	N/A		0.052 lux in c 0.026 lux in n 0 lux with IR	olor mode, nonochrome mode,		lux in color mode, ix in monochrome mode,
	Minimum Illumination	4 MP	0.03 lux in color mode, 0.015 lux in monochrome mo 0 lux with IR	ode,	N/A		0.058 lux in c 0.029 lux in n 0 lux with IR	olor mode, nonochrome mode,	N/A	
		5 MP	N/A		N/A		0.058 lux in c 0.029 lux in n 0 lux with IR	olor mode, nonochrome mode,	N/A	
		6 MP	N/A		0.055 lux in color mc 0.028 lux in monoch 0 lux with IR		N/A		N/A	
		8 MP	N/A		0.055 lux in color mc 0.028 lux in monoch 0 lux with IR		N/A		N/A	
		2 MP	(16:9) 34° – 99°		N/A		(16:9) 14° – 31°		(16:9) 4	l.1° − 60°
	Horizontal	4 MP	(16:9)(4:3) 34° – 92°		N/A		(16:9)(4:3) 14° (4:3) 11° – 24°	– 31°	N/A	
	Angle of View Based on	[/] 5 MP	N/A		N/A		(16:9)(4:3) 14°	– 31°	N/A	
	Aspect Ratio	6 MP	N/A		(16:9) 52° – 92° (3:2) 41° – 73°		N/A		N/A	
		8 MP	N/A		(16:9) 52° – 92°		N/A		N/A	
	Vertical Angle of View Based on Aspect Ratio	2 MP	(16:9) 18° – 53°		N/A		(16:9) 7.8° – 16	.7°	(16:9) 2	2.3° – 34°
		4 MP	(16:9) 18° – 50° (4:3) 25° – 68°		N/A		(16:9) 8.2° – 17	7.4°	N/A	
		5 MP	N/A		N/A		(16:9) 8.1° – 17. (4:3) 11° – 23°	4°	N/A	
		6 MP	N/A		(16:9) 29° – 51° (3:2) 27° – 48°		N/A		N/A	
		8 MP	N/A		(16:9) 29° – 51°		N/A		N/A	
	Max Aperture		F1.3		F1.8 F1.6		F1.6		F1.6	
	Control		P-Iris, Remote Focus and Zoom							

¹ IR illumination power may be reduced at higher operating temperatures.

IMAGE CONTROL	Method		H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG			
			Multi-stream H.264, Multi-stream H.265, Motion JPEG; HDSM 2.0 on 4.0 MP, 5.0 MP, 6.0 MP, and 4K (8.0 MP) cameras			
	Motion Detection		Pixel motion: Selectable sensitivity and threshold. Classified object detection			
	Camera Tamper Detection		Yes			
	Electronic Shutter Control		Automatic, Manual (1/7 to 1/8196 sec)			
	Iris Control		Automatic, Open, Closed			
	Day/Night 0	Control	Automatic, Manual			
	Flicker Con	trol	60 Hz, 50 Hz			
	White Balar	nce	Automatic, Manual			
	Backlight Compensation		Adjustable			
	Privacy Zones		Up to 64 zones			
NETWORK	Network		100BASE-TX, RJ45 Connector, CAT5e Cabling			
	ONVIF		ONVIF compliance version 1.02, 2.00, Profile S, Profile T (www.onvif.org)			
	Security		Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication			
	Protocols		IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP			
	Streaming F	Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP			
	Device Management Protocols		SNMP v2c, SNMP v3			
PERIPHERALS	USB Port		USB 2.0			
	Onboard	Dome	microSD/microSDHC/microSDXC slot – class 10/UHS-1 or better recommended			
	Storage	Bullet and Box	SD/SDHC/SDXC slot – class 10/UHS-1 or better recommended			

Specifications (Con't)

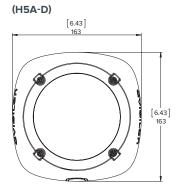
	Audio Compre	scion Mothod							
AUXILIARY I/O	Audio Compression Method Audio Input/Output								
	External I/O Terminals		Line level input and output						
	RS-485 Termi		Alarm In, Alarm Out Yes, Box camera only						
	K3-465 Terrini	Ildi	res, Box camera only						
MECHANICAL			INDOOR SURFACE MOUNT	INDOOR IN-CEILING MOUNT	OUTDOOR SURFACE MOUNT				
(DOME)			163 mm x 163 mm x 118 mm;	181 mm x 181 mm x 164 mm;	163 mm x 163 mm x 121 mm;				
	Dimensions (I	_xWxH)	6.4" × 6.4" × 4.7"	7.1" × 7.1" × 6.5"	6.4" × 6.4" × 4.8"				
	Weight		0.99 kg (2.18 lbs)	1.64 kg (3.62 lbs)	1.39 kg (3.06 lbs)				
	Dome Bubble		Polycarbonate						
	Body		Plastic, Aluminum		Aluminum				
	Housing		Surface mount, tamper resistant	Recessed mount, tamper resistant	Surface mount, vandal resistant				
	Finish		Plastic, gray	Plastic, gray; Aluminum, powder coat, black	Powder coat, RAL 9003				
	Adjustment Range		360° pan, ±180° azimuth, 9° – 95° tilt (30° – 95°	with -IR option)					
MECHANICAL			PENDANT CAMERA ONLY	WITH WALL MOUNT (H4A-MT-WALL1)	WITH NPT MOUNT (H4A-MT-NPTA1)				
(PENDANT DOME)	•		172 mm x 172 mm x 124 mm;	275 mm x 172 mm x 152.1 mm;	172 mm x 172 mm x 172.3 mm;				
	Dimensions (LxWxH)		6.8" x 6.8" x 4.9"	10.8" x 6.8" x 6.0"	6.8" x 6.8" x 6.8"				
	Weight		1.59 kg (3.51 lbs)	3.04 kg (6.70 lbs)	1.84 kg (4.06 lbs)				
	Dome Bubble		Polycarbonate						
	Body		Aluminum						
	Housing		Pendant mount, vandal resistant						
	Finish		Powder coat, RAL 9003						
	Adjustment Ra	ange	360° pan, ±180° azimuth, 9° – 95° tilt (30° – 95°	with -IR option)					
MECHANICAL (BULLET)	Dimensions (l	_xWxH)	280 mm x 126 mm x 91 mm; 11.04" x 4.97" x 3.5	8" (including mounting bracket)					
(BULLET)	Weight Carr	nera	1.71 kg (3.77 lbs)						
	Mou	inting Bracket	0.21 kg (0.46 lbs)						
	Body		Aluminum						
	Housing		Surface mount, tamper resistant						
	Finish		Powder coat, RAL 9003						
	Adjustment Ra	ange	±175° pan, ±90° tilt, ±175° azimuth						
MECHANICAL (BOX)	Dimensions (l	_xWxH)	168 mm x 76 mm x 67 mm; 6.6" x 3.0" x 2.6"						
	Weight								
			0.62 kg (1.4 lbs)						
	Body	+	Aluminum						
	Body Camera Mour	ıt	Aluminum 1/4"-20 UNC (top and bottom)						
	Body	ıt	Aluminum						
FLECTRICAL	Body Camera Mour		Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black						
ELECTRICAL	Body Camera Mour	Bullet	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max						
ELECTRICAL	Body Camera Moun Finish	Bullet Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled)						
ELECTRICAL	Body Camera Mour Finish Power	Bullet Dome Box	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max	VAC: 24 V + 10% 15 VA min	PoF: IEFE802 3af Class 3 compliant				
ELECTRICAL	Body Camera Mour Finish Power Consumption	Bullet Dome Box Bullet	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V ± 10%, 13 W min	VAC: 24 V ± 10%, 15 VA min VAC: 24 V ± 10%, 13 VA min	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant				
ELECTRICAL	Body Camera Mour Finish Power Consumption	Bullet Dome Box	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max	VAC: 24 V ± 10%, 15 VA min VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min	PoE: IEEE802.3af Class 3 compliant				
ELECTRICAL	Body Camera Mour Finish Power Consumption	Bullet Dome Box Bullet Dome Box	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 12 W min	VAC: 24 V \pm 10%, 13 VA min					
ELECTRICAL	Body Camera Mourr Finish Power Consumption Power Source	Bullet Dome Box Bullet Dome Box	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 12 W min VDC: 12 V ± 10%, 7 W min	VAC: 24 V \pm 10%, 13 VA min	PoE: IEEE802.3af Class 3 compliant				
ELECTRICAL	Body Camera Mourr Finish Power Consumption Power Source	Bullet Dome Box Bullet Dome Box	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 12 W min VDC: 12 V ± 10%, 7 W min	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min	PoE: IEEE802.3af Class 3 compliant				
	Body Camera Mourr Finish Power Consumption Power Source RTC Backup R	Bullet Dome Box Bullet Dome Box Battery	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min	PoE: IEEE802.3af Class 3 compliant				
	Body Camera Mourr Finish Power Consumption Power Source	Bullet Dome Box Bullet Dome Box Battery Bullet Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F)	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min	PoE: IEEE802.3af Class 3 compliant				
	Body Camera Mourr Finish Power Consumption Power Source RTC Backup R	Bullet Dome Box Bullet Dome Box Battery Bullet Dome Box	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +60 °C (-14 °F to 140 °F)	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant				
	Body Camera Mourr Finish Power Consumption Power Source RTC Backup R	Bullet Dome Box Bullet Dome Box Battery Bullet Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 12 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +60 °C (-14 °F to 140 °F) IR illuminator will turn off if the temperature is 6	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant				
	Body Camera Mourr Finish Power Consumption Power Source RTC Backup I Operating Temperature	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 13 W min VDC: 12 V ± 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +60 °C (-14 °F to 140 °F)	VAC: 24 V \pm 10%, 13 VA min VAC: 24 V \pm 10%, 9 VA min space convection 1 °C (141 °F) or higher. The illuminator will operat (9 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant				
	Body Camera Mourr Finish Power Consumption Power Source RTC Backup R	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet Indoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 140 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +60 °C (-14 °F to 149 °F) -10 °C to +60 °C (-14 °F to 140 °F) IR illuminator will turn off if the temperature is 6 55 °C (131 °F) and 61 °C (141 °F). Hysteresis: 5 °C IR illuminator will turn off if the temperature is 5 44 °C (111 °F) and 55 °C (131 °F). Hysteresis: 2 °C	VAC: 24 V \pm 10%, 13 VA min VAC: 24 V \pm 10%, 9 VA min space convection 31 °C (141 °F) or higher. The illuminator will operat (9 °F). 35 °C (131 °F) or higher. The illuminator will operat (3.6 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between				
	Body Camera Mour Finish Power Consumption Power Source RTC Backup R Operating Temperature	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet Indoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 12 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +60 °C (-14 °F to 149 °F) -10 °C to +60 °C (-14 °F to 149 °F) IR illuminator will turn off if the temperature is 5 44 °C (111 °F) and 55 °C (131 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection (9 °F). (36 °F). (36 °F). (36 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between				
	Body Camera Mour Finish Power Consumption Power Source RTC Backup R Operating Temperature	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet Indoor Dome Outdoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 140 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +60 °C (-14 °F to 149 °F) -10 °C to +60 °C (-14 °F to 140 °F) IR illuminator will turn off if the temperature is 6 55 °C (131 °F) and 61 °C (141 °F). Hysteresis: 5 °C IR illuminator will turn off if the temperature is 5 44 °C (111 °F) and 55 °C (131 °F). Hysteresis: 2 °C	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection (9 °F). (36 °F). (36 °F). (36 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between				
	Body Camera Mour Finish Power Consumption Power Source RTC Backup R Operating Temperature IR Illuminator Behavior	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet Indoor Dome Outdoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 12 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 140 °F) IR illuminator will turn off if the temperature is 5 44 °C (111 °F) and 55 °C (131 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection (9 °F). (36 °F). (36 °F). (36 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between				
	Body Camera Mour Finish Power Consumption Power Source RTC Backup R Operating Temperature IR Illuminator Behavior	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet Indoor Dome Outdoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 2 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) IR illuminator will turn off if the temperature is 5 44 °C (111 °F) and 55 °C (131 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C -10 °C to +70 °C (14 °F to 158 °F)	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection (9 °F). (36 °F). (36 °F). (36 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between				
	Body Camera Mour Finish Power Consumption Power Source RTC Backup R Operating Temperature IR Illuminator Behavior	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet Indoor Dome Outdoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 2 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) IR illuminator will turn off if the temperature is 5 44 °C (111 °F) and 55 °C (131 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C -10 °C to +70 °C (14 °F to 158 °F)	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection (9 °F). (36 °F). (36 °F). (36 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between				
ENVIRONMENTAL	Body Camera Mour Finish Power Consumption Power Source RTC Backup I Operating Temperature IR Illuminator Behavior Storage Temp Humidity	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet Indoor Dome Outdoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 12 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) IR illuminator will turn off if the temperature is 5 44 °C (111 °F) and 55 °C (131 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 4	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection 51 °C (141 °F) or higher. The illuminator will operat (9 °F). 55 °C (131 °F) or higher. The illuminator will operat (3.6 °F). 57 °C (135 °F) or higher. The illuminator will operat C (3.6 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between				
ENVIRONMENTAL	Body Camera Mour Finish Power Consumption Power Source RTC Backup I Operating Temperature IR Illuminator Behavior Storage Temp Humidity Certifications	Bullet Dome Box Bullet Dome Box Bullet Dome Box Bullet Indoor Dome Outdoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 12 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 140 °F) IN illuminator will turn off if the temperature is 5 55 °C (131 °F) and 61 °C (141 °F). Hysteresis: 5 °C IR illuminator will turn off if the temperature is 5 49 °C (110 °F) and 55 °C (131 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator vill turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 40 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C 10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection 51 °C (141 °F) or higher. The illuminator will operat (9 °F). 55 °C (131 °F) or higher. The illuminator will operat (3.6 °F). 57 °C (135 °F) or higher. The illuminator will operat C (3.6 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between te at 50% power if the temperature is between				
ENVIRONMENTAL	Body Camera Mour Finish Power Consumption Power Source RTC Backup I Operating Ceptrating IR Illuminator Behavior Storage Temp Humidity Certifications/ Safety	Bullet Dome Box Bullet Dome Box Battery Bullet Dome Box Bullet Indoor Dome Outdoor Dome Outdoor Dome Perature	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 12 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) IR illuminator will turn off if the temperature is 5 55 °C (131 °F) and 61 °C (141 °F). Hysteresis: 5 °C IR illuminator will turn off if the temperature is 5 49 °C (110 °F) and 55 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C -10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing UL, cUL, CE, ROHS, Reach (SVHC), RCM UL 62368-1, ISCA 62368-1, IEC/EN 62368-1, IEC/E	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection 51 °C (141 °F) or higher. The illuminator will operat (9 °F). 55 °C (131 °F) or higher. The illuminator will operat (3.6 °F). 57 °C (135 °F) or higher. The illuminator will operat C (3.6 °F).	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between te at 50% power if the temperature is between				
ENVIRONMENTAL	Body Camera Mour Finish Power Consumption Power Source RTC Backup I Operating Cemperature IR Illuminator Behavior Storage Temp Humidity Certifications, Safety Environ- mental	Bullet Dome Box Bullet Dome Box Battery Bullet Dome Box Bullet Indoor Dome Outdoor Dome Outdoor Dome Perature	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 12 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium 40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) IR illuminator will turn off if the temperature is 6 55 °C (131 °F) and 61 °C (141 °F). Hysteresis: 5 °C IR illuminator will turn off if the temperature is 5 44 °C (111 °F) and 55 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 44 °C (110 °F) and 57 °C (135 °F). Hysteresis: 2 °C -10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing UL, cUL, CE, ROHS, Reach (SVHC), RCM UL 62368-1, ISC 4050-22, IEC 60529 IP66 and IP	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection 51 °C (141 °F) or higher. The illuminator will operat (9 °F). 55 °C (131 °F) or higher. The illuminator will operat (3.6 °F). 57 °C (135 °F) or higher. The illuminator will operat C (3.6 °F). 67 (Weather Rating, IEC 62262 IK10 Impact Ratin 67 Weather Rating, IEC 62262 IK10 Impact Ratin	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between te at 50% power if the temperature is between 19				
ENVIRONMENTAL	Body Camera Mour Finish Power Consumption Power Source RTC Backup I Operating Cemperature IR Illuminator Behavior Storage Temp Humidity Certifications, Safety Environ- mental	Bullet Dome Box Bullet Dome Box Battery Bullet Dome Box Bullet Indoor Dome Outdoor Dome Perature Directives Bullet Outdoor Dome Bullet Outdoor Dome	Aluminum 1/4"-20 UNC (top and bottom) Powder coat, black 13 W max 13 W max (11 W with no IR or IR disabled) 7 W max VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 13 W min VDC: 12 V \pm 10%, 12 W min VDC: 12 V \pm 10%, 7 W min 3V manganese lithium -40 °C to +60 °C (-40 °F to 140 °F), in enclosed s -40 °C to +65 °C (-40 °F to 149 °F), with ambient -40 °C to +65 °C (-40 °F to 149 °F) -10 °C to +65 °C (-40 °F to 149 °F) -10 °C to +66 °C (-14 °F to 140 °F) IR illuminator will turn off if the temperature is 5 55 °C (131 °F) and 61 °C (141 °F). Hysteresis: 5 °C IR illuminator will turn off if the temperature is 5 49 °C (110 °F) and 55 °C (135 °F). Hysteresis: 2 °C IR illuminator will turn off if the temperature is 5 49 °C (120 °F) and 57 °C (135 °F). Hysteresis: 2 °C -10 °C to +70 °C (14 °F to 158 °F) 0 - 95% non-condensing UL, cUL, CE, ROHS, Reach (SVHC), RCM UL 62368-1, ISA 62368-1, IEC/EN 62368-1, IEC/ UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP	VAC: 24 V ± 10%, 13 VA min VAC: 24 V ± 10%, 9 VA min space convection 51 °C (141 °F) or higher. The illuminator will operat (9 °F). 55 °C (131 °F) or higher. The illuminator will operat (3.6 °F). 57 °C (135 °F) or higher. The illuminator will operat C (3.6 °F). 67 (Weather Rating, IEC 62262 IK10 Impact Ratin 67 Weather Rating, IEC 62262 IK10 Impact Ratin	PoE: IEEE802.3af Class 3 compliant PoE: IEEE802.3af Class 3 compliant e at 50% power if the temperature is between te at 50% power if the temperature is between te at 50% power if the temperature is between 19				

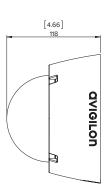
Analytics Specifications

SUPPORTED	Objects in Area	The event is triggered when the selected object type moves into the region of interest.					
ANALYTICS EVENTS	Object Loitering	The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.					
	Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.					
	Object Appears or Enters Area	The 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	he 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 moves into a region of interest and then 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 CLASSIFIED	Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person					
OBJECT TYPES	Object Types in Indoor Mode	Person					
TEACH BY EXAMPLE	Teach By Example	Yes, when used with Avigilon Control Center™					
AVIGILON CONTROL CENTER	ACC Version 6.14.12 or higher	All supported analytic events with two types of classified objects: person or vehicle. Appearance search when paired with appropriate server hardware.					
(ACC) VERSIONS	nigher	Appendice supported.					
SUPPORTED FEATURES	ACC Version 7.2 or higher	All supported analytic events with people and vehicles and all vehicle sub-types as classified objects. Appearance search when paired with appropriate server hardware. H.265 supported.					

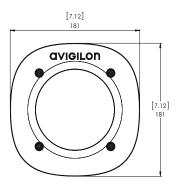
Outline Dimensions

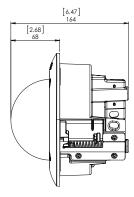
Surface Mount Indoor Dome Camera

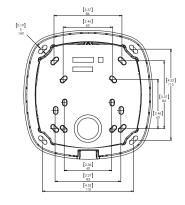




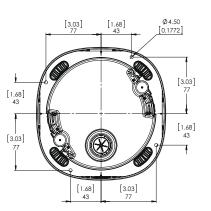
In-Ceiling Dome Camera (H5A-DC)



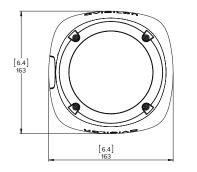


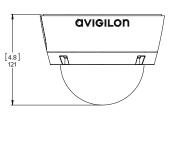


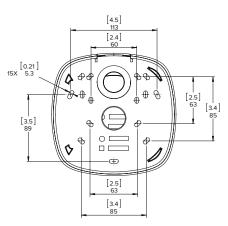
[X.X]	INCHES
Х	MM



Surface Mount Outdoor Dome Camera (H5A-DO)



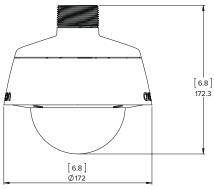


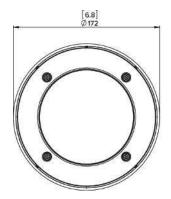




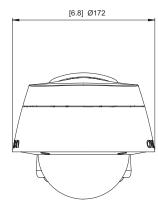
Pendant Dome Camera

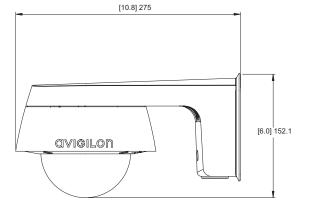


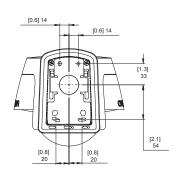




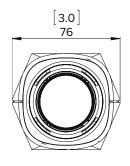
WITH WALL MOUNT (H4A-MT-WALL1)



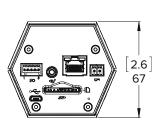


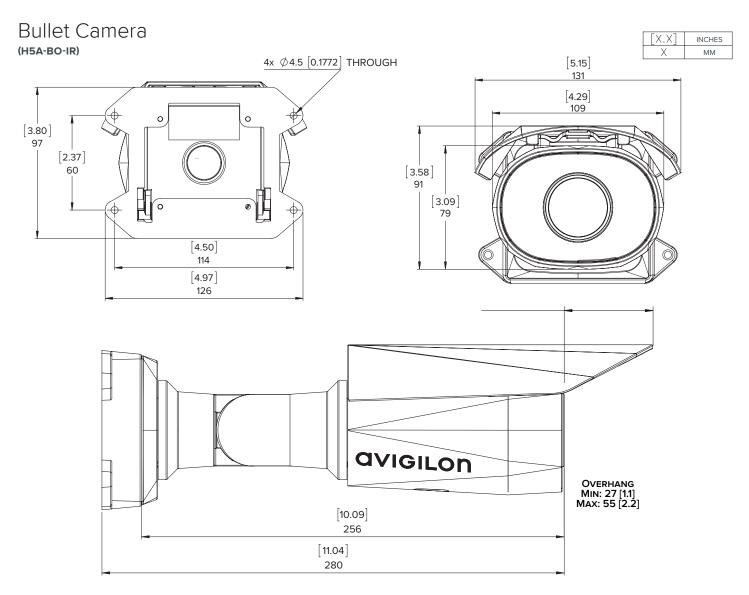


Box Camera (H5A-B)

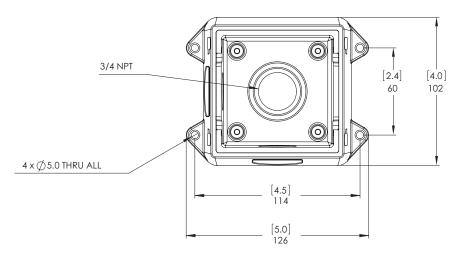


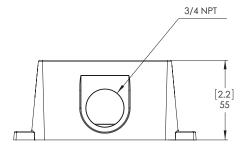
[6.6] 168 [2.9] MOUNTING POINT 1/4"-20 UNC MOUNTING POINT 1/4"-20 UNC [2.7] 68





HD Bullet Camera Junction Box (H4-B0-JB0X1)





Ordering Information (Outdoor Dome and Bullet)

Surface Mount Outdoor Dome Camera

(H5A-DO)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec
2.0C-H5A-DO1	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
2.0C-H5A-DO1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
2.0C-H5A-DO2	2.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
4.0C-H5A-DO1	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-DO1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
4.0C-H5A-DO2	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
5.0C-H5A-DO2	5.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
6.0C-H5A-DO1	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
6.0C-H5A-DO1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
8.0C-H5A-DO1	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
8.0C-H5A-DO1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
H4A-DO-SMOK1	Outdoor dome came	era cover with smoke	ed bubble				
H4A-DO-CLER1	Outdoor dome came	era cover with clear b	oubble				
H4A-AC-GROM1	Camera sealing gror	nmet, pack of 10					
CM-AC-GROM1	Pipe grommet, pack	of 10					
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter						
CM-AC-AVIO1	3.5 mm jack with 1.8	m fly wire					

Pendant Mount Outdoor Dome Camera

(H5A-DP)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec
2.0C-H5A-DP1	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
2.0C-H5A-DP1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
2.0C-H5A-DP2	2.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
4.0C-H5A-DP1	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-DP1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
4.0C-H5A-DP2	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
5.0C-H5A-DP2	5.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
6.0C-H5A-DP1	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
6.0C-H5A-DP1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
8.0C-H5A-DP1	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
8.0C-H5A-DP1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
H4A-DP-SMOK1	Pendant dome came	era cover with smoke	d bubble				
H4A-DP-CLER1	Pendant dome came	era cover with clear b	oubble				
H4A-MT-WALL1	Indoor/outdoor pend	lant wall arm mount					
H4A-MT-NPTA1	Indoor/outdoor pend	lant NPT mount					
H4-MT-POLE1	Aluminum pole mour	nting bracket for pen	dant dome cameras				
H4-MT-CRNR1	Aluminum corner mo	ounting bracket for p	endant dome cameras				
CM-AC-GROM1	Pipe grommet, pack	of 10					
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter						
CM-AC-AVIO1	3.5 mm jack with 1.8	m fly wire					

Outdoor Bullet Camera

(H5A-BO-IR)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec
2.0C-H5A-BO1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
2.0C-H5A-BO2-IR	2.0	\checkmark	\checkmark	9 - 22 mm	\checkmark	\checkmark	\checkmark
4.0C-H5A-BO1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
4.0C-H5A-BO2-IR	4.0	\checkmark	\checkmark	9 - 22 mm	\checkmark	\checkmark	\checkmark
5.0C-H5A-BO2-IR	5.0	\checkmark	\checkmark	9 - 22 mm	\checkmark	\checkmark	\checkmark
6.0C-H5A-BO1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
8.0C-H5A-BO1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
H4-BO-JBOX1	Junction box for bull	et cameras					
H4-MT-POLE1	Aluminum pole mou	nting bracket for bul	let cameras				
H4-MT-CRNR1	Aluminum corner me	ounting bracket for b	ullet cameras				
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter						

Ordering Information (Indoor Box and Dome)

Box Camera

(H5A-B)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec
2.0C-H5A-B1	2.0	\checkmark	\checkmark	4.7 - 84.6 mm		\checkmark	\checkmark
2.0C-H5A-B2	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-B2	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-B3	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
6.0C-H5A-B2	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
8.0C-H5A-B2	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter						

CM-AC-AVIO1

3.5 mm jack with 1.8 m fly wire

Surface Mount Indoor Dome Camera

(H5A-D)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec
2.0C-H5A-D1	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
2.0C-H5A-D1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
2.0C-H5A-D2	2.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
4.0C-H5A-D1	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-D1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
4.0C-H5A-D2	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
6.0C-H5A-D1	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
6.0C-H5A-D1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
8.0C-H5A-D1	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
8.0C-H5A-D1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
H4A-DD-SMOK1	Indoor dome camera	a cover with smoked	bubble				
H4A-DD-CLER1	Indoor dome camera	a cover with clear bul	bble				
H4A-DD-SMOK1-BL	Black indoor dome o	amera cover with sm	noked bubble				
H4A-DD-CLER1-BL	Black indoor dome o	amera cover with cle	ear bubble				
H4A-DD-SDWL1	Indoor dome camera	a sidewall knockout p	olug, pack of 5				
H4A-DD-SDWL1-BL	Black indoor dome o	amera sidewall knoc	kout plug, pack of 5				
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter						
CM-AC-AVIO1	3.5 mm jack with 1.8	m fly wire					

In-Ceiling Mount Indoor Dome Camera

(H5A-DC)	MP	WDR	LightCatcher Technology	Lens	IR	Analytics	HDSM SmartCodec
2.0C-H5A-DC1	2.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
2.0C-H5A-DC1-IR	2.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
2.0C-H5A-DC2	2.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
4.0C-H5A-DC1	4.0	\checkmark	\checkmark	3.3 - 9 mm		\checkmark	\checkmark
4.0C-H5A-DC1-IR	4.0	\checkmark	\checkmark	3.3 - 9 mm	\checkmark	\checkmark	\checkmark
4.0C-H5A-DC2	4.0	\checkmark	\checkmark	9 - 22 mm		\checkmark	\checkmark
6.0C-H5A-DC1	6.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
6.0C-H5A-DC1-IR	6.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
8.0C-H5A-DC1	8.0	\checkmark	\checkmark	4.9 - 8 mm		\checkmark	\checkmark
8.0C-H5A-DC1-IR	8.0	\checkmark	\checkmark	4.9 - 8 mm	\checkmark	\checkmark	\checkmark
H4A-DC-SMOK1	In-ceiling dome cam	era cover with smoke	ed bubble				

H4A-DC-SMOK1	In-ceiling dome camera cover with smoked bubble
H4A-DC-CLER1	In-ceiling dome camera cover with clear bubble
H4A-DC-SMOK1-BL	Black in-ceiling dome camera cover with smoked bubble
H4A-DC-CLER1-BL	Black in-ceiling dome camera cover with clear bubble
H4-DC-CPNL1	Metal ceiling panel
H4A-AC-GROM1	Camera sealing grommet, pack of 10
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter
CM-AC-AVIO1	3.5 mm jack with 1.8 m fly wire

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H5SL Camera Line







Features



UNUSUAL MOTION DETECTION

Uses AI to notify you of unusual events that might otherwise have been missed, offering increased situational awareness and helping you effectively monitor more cameras.



LIGHTCATCHER[™] TECHNOLOGY Offers exceptional detail in areas with low lighting.



DUAL EXPOSURE WIDE DYNAMIC RANGE Capture details in scenes with both very bright and dark areas.



ONVIF® COMPLIANT Built on an open platform to allow integration with other security solutions.



MULTIPLE LENS OPTIONS

Choose from various lens types, including long zoom, for flexible coverage options.

H.265 WITH HDSM SMARTCODEC[™] TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings, helping to keep internet connectivity costs down.



ADAPTIVE INFRARED (IR)

Automatically adjusts IR beam width and exposure settings based on scene conditions to help maximize image quality.



RELAY I/O CONNECTIONS

Incorporate and configure input/output actions and alarms for fast event response.



MADE IN NORTH AMERICA AND 5 YEAR WARRANTY

Manufactured in North America^{*} using globally-sourced materials and North American expertise, Avigilon stands behind the quality of its products. Backed by a 5 year warranty.

Specifications

IMAGE PERFORMANCE	Image Sensor		1.3 MP2.1/2.8" progressive scan CMOS	.0 MP		3.0 MP		5.0 MP		
- IN SUMANUE	Aspect Ratio		5:4 16:	Q		4:3		4:3		
	Active Pixels (H			.9 20 x 108	0	4.3 2048 x 1536		4.5 2592 x 1944		
					2.7 mm; 0.189" x 0.106"		000" v 01E1"	5.18 mm x 3.89 mm; 0.204" x 0.15		
	Imaging Area (0 11111 X Z	2.7 11111, 0.189 X 0.100	5.12 mm x 5.64 mm, 0.2	202 x 0.151			
	Max Image Rat			(50 Hz/60 Hz): 25 fps/30 fps (50 Hz/60 Hz): 25 fps/24 fps						
	Range	WDR Off	100 dB							
		WDR On	120 dB (dual exposure)					110 dB (dual exposure)		
	Resolution Sca	-	Down to 384 x 216							
	Camera Opera	iting Mode	V/A Full feature or High framerate mode (UMD disabled in High framerate mode)							
	Bandwidth Ma	nagement	HDSM SmartCodec technology; Idle sc	cene moo	de					
	3D Noise Redu	uction Filter	Yes							
			3 – 9 mm		3.1 – 8.4 mm		9.5 – 31 n	ım		
ENS AND IR	IR Illumination Max Distance	Dome	30 m (100 ft), full tele 20 m (65 ft), full wide		30 m (100 ft), full tele 20 m (65 ft), full wide		N/A			
	(high power 850 nm LEDs)	Bullet	N/A		50 m (165 ft), full tele 30 m (100 ft), full wide		70 m (230 30 m (100 f			
		1.3 MP	With IR: 0 lux in color or monochrome r	mode	With IR: 0 lux in color o	r monochrome modo	30 m (100 f	g, run wide		
		2.0 MP	Without IR: 0.03 lux in color mode; 0.01		Without IR: 0.04 lux in o		N/A			
		3.0 MP	monochrome mode		monochrome mode			ux in color or monochrome mode		
	Minimum Illumination	3.0 MP						0.03 lux in color mode; 0.015 lux		
		5.0 MP			With IR: 0 lux in color or monochrome mode Without IR: 0.02 lux in color mode; 0.01 lux in		Without IR:	ux in color or monochrome mode 0.015 lux in color mode; 0.007 lux		
					monochrome mode			rome mode		
	Horizontal	rizontal (5:4) 33° – 85°		(16:9)(4:3) 35° – 90° (5:4) 33° – 85°		N/A				
	Angle of View		(0.1)00 00		(0.1)00 00		N/A			
	Based on Aspect Ratio	3.0 MP						32°; (5:4) 9.5° – 32°; (4:3) 9.5° – 30		
		5.0 MP	N/A		(16:9)(4:3) 35° – 90°		(16:9)(4:3) 9	0.5° − 30°		
	Vertical Angle	1.3 MP	(16:9) 20° – 49° (5:4)(4:3) 26° – 66°		(16:9) 20° – 49° (5:4)(4:3) 26° – 66°		N/A			
Base	of View	2.0 MP	(,(,		(,(,		N/A			
	Aspect Ratio	3.0 MP						7°; (5:4)(4:3) 7° – 23°		
		5.0 MP	N/A		(16:9) 20° – 49°; (4:3) 26	5° – 66°		7°; (4:3) 7° – 23°		
	Max Aperture		F1.4		F1.6		F1.4			
	Control		P-Iris, Remote Focus and Zoom							
MAGE CONTROL	Image Compre Method	ession	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG							
				Multi-stream H.264, Multi-stream H.265, Motion JPEG						
	Streaming		Multi-stream H.264, Multi-stream H.265	5, Motior	n JPEG					
		ion	Multi-stream H.264, Multi-stream H.269 Pixel and Unusual Motion Detection (U		n JPEG					
	Streaming Motion Detecti		Pixel and Unusual Motion Detection (U		n JPEG					
	Streaming Motion Detecti Tamper Detect	tion	Pixel and Unusual Motion Detection (U Yes		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shu	tion	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec)		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control	tion tter Control	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Con	tion tter Control ttrol	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Con Flicker Control	tion tter Control ttrol	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Con Flicker Control White Balance	tion tter Control ttrol	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Con Flicker Control White Balance Backlight Com	tion tter Control ttrol	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Con Flicker Control White Balance	tion tter Control ttrol	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Con Flicker Control White Balance Backlight Com Privacy Zones	tion tter Control ttrol pensation	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones		n JPEG					
AUXILIARY I/O	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres	tion tter Control ttrol pensation	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz		n JPEG					
AUXILIARY I/O	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou	tion tter Control ttrol pensation ssion Method utput	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output		n JPEG					
AUXILIARY I/O	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres	tion tter Control ttrol pensation ssion Method utput	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou External I/O Te	tion tter Control ttrol pensation ssion Method utput	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Compres Audio Input/Ou External I/O Te	tion tter Control ttrol pensation ssion Method utput	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Con Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Oc External I/O Te	tion tter Control ttrol pensation ssion Method utput	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out		n JPEG					
	Streaming Motion Detecti Tamper Detect Electronic Shur Iris Control Day/Night Con Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou External I/O Te Network Cabling Type Connector	tion tter Control ttrol pensation ssion Method utput	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45	JMD)						
	Streaming Motion Detecti Tamper Detect Electronic Shu Iris Control Day/Night Con Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou External I/O Te Network Cabling Type Connector ONVIF	tion tter Control ttrol pensation ssion Method utput	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Pro	JMD) ofile T (w	ww.onvif.org)					
	Streaming Motion Detecti Tamper Detect Electronic Shu Iris Control Day/Night Con Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou External I/O Te Network Cabling Type Connector ONVIF Security	tion tter Control ttrol pensation ssion Method utput	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Profile Password protection, HTTPS encryption	JMD) ofile T (w	ww.onvif.org) t authentication, WS auth			oort based authentication		
	Streaming Motion Detecti Tamper Detect Electronic Shu Iris Control Day/Night Con Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou External I/O Te Network Cabling Type Connector ONVIF Security Protocols	tion tter Control ttrol pensation ssion Method utput rminals	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Pro Password protection, HTTPS encryptio IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, M	JMD) ofile T (w on, digest NTP, RTS	ww.onvif.org) t authentication, WS auth SP, RTCP, RTP, TCP, UDP,	IGMP, ICMP, DHCP, Zero	oconf, ARP	ort based authentication		
AUXILIARY I/O NETWORK	Streaming Motion Detection Tamper Detection Electronic Shur Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Compres Audio Input/Ou External I/O Te Network Cabling Type Connector ONVIF Security Protocols Streaming Prot	tion tter Control pensation ssion Method utput rminals	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Pro Password protection, HTTPS encryptio IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP/RTS	JMD) ofile T (w on, digest NTP, RTS	ww.onvif.org) t authentication, WS auth SP, RTCP, RTP, TCP, UDP,	IGMP, ICMP, DHCP, Zero	oconf, ARP	ort based authentication		
	Streaming Motion Detection Tamper Detection Electronic Shur Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Compres Audio Input/Ou External I/O Te Network Cabling Type Connector ONVIF Security Protocols Streaming Prot	tion tter Control pensation ssion Method utput rminals	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Pro Password protection, HTTPS encryptio IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, M	JMD) ofile T (w on, digest NTP, RTS	ww.onvif.org) t authentication, WS auth SP, RTCP, RTP, TCP, UDP,	IGMP, ICMP, DHCP, Zero	oconf, ARP	oort based authentication		
NETWORK	Streaming Motion Detecti Tamper Detect Electronic Shu Iris Control Day/Night Con Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou External I/O Te Network Cabling Type Connector ONVIF Security Protocols Streaming Prot	tion tter Control pensation ssion Method utput rminals	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Pro Password protection, HTTPS encryptio IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP/RTS SNMP v2c, SNMP v3	JMD) ofile T (w on, digest NTP, RTS	ww.onvif.org) t authentication, WS auth SP, RTCP, RTP, TCP, UDP,	IGMP, ICMP, DHCP, Zero	oconf, ARP	oort based authentication		
	Streaming Motion Detection Tamper Detection Electronic Shur Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Compres Audio Input/Ou External I/O Te Network Cabling Type Connector ONVIF Security Protocols Streaming Prot	tion tter Control pensation ssion Method utput rminals	Pixel and Unusual Motion Detection (U Yes Automatic, Manual (1/6 to 1/8000 sec) Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Pro Password protection, HTTPS encryptio IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, N RTP/UDP, RTP/UDP multicast, RTP/RTS	JMD) ofile T (w on, digest NTP, RTS SP/TCP, R	ww.onvif.org) t authentication, WS auth SP, RTCP, RTP, TCP, UDP, RTP/RTSP/HTTP/TCP, RTI	IGMP, ICMP, DHCP, Zerc	Doconf, ARP	oort based authentication		

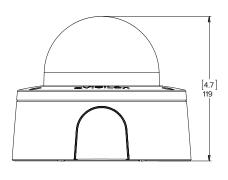
Specifications (Con't)

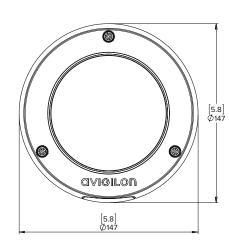
MECHANICAL	CHANICAL		SURFACE MOUNT	IN-CEILING MOUNT	PENDAN	T MOUNT					
(DOME)			SURFACE MOUNT	IN-CEILING MOONT	NPT ADAPTER	NPT + WALL MOUNT					
	Dimensions (L	.xWxH)	147 mm x 147 mm x 119 mm; 5.8" x 5.8" x 4.7"	174 mm x 174 mm x 162 mm; 6.9" x 6.9" x 6.4"	153 mm x 153 mm x 166 mm; 6.0" x 6.0" x 6.5"	269 mm x 153 mm x 214 mm; 10.6" x 6.0" x 8.4"					
	Max. Ceiling T	hickness	N/A	32 mm (1.25")	N/A	N/A					
	Weight		Indoor Dome — 0.76 kg; 1.68 lbs Outdoor Dome — 0.78 kg; 1.72 lbs			Indoor Dome — 2.02 kg; 4.45 lbs Outdoor Dome — 2.04 kg; 4.49 lbs					
	Dome Bubble		Polycarbonate, clear								
	Body		Polycarbonate		Polycarbonate/aluminum						
	Housing		Vandal resistant								
	Finish		Cool grey		Close to RAL 9003						
	Adjustment Ra	ange	360° pan, $\pm 180^\circ$ azimuth, $30^\circ-95^\circ$	tilt (recommended), 10° – 95° tilt (max	ximum)						
MECHANICAL	Dimensions (L	.xWxH)	285 mm x 131 mm x 97 mm; 11.2" x	5.1" x 3.8" (including mounting brack	et)						
(BULLET)	Weight Cam	era	1.29 kg (2.84 lbs)								
	Mou	nting Bracket	0.21 kg (0.46 lbs)								
	Body		Aluminum	luminum							
	Housing		Surface mount, tamper resistant, va	andal resistant							
	Finish		Powder coat, cool grey								
	Adjustment Ra	inge	$\pm 175^\circ$ pan, $\pm 90^\circ$ tilt, $\pm 175^\circ$ azimuth	±175° pan, ±90° tilt, ±175° azimuth							
ELECTRICAL	Deuter	Indoor Dome									
	Consumption	Outdoor Dome									
		Bullet	9 W max								
	Power Source		PoE: IEEE802.3af Class 3 compliant								
	RTC Backup B		3V manganese lithium								
	* When powered w	ith some models of P	PoE++ injectors, the injectors may not power the ca	mera correctly.							
ENVIRONMENTAL		Indoor Dome	0 °C to +60 °C (32 °F to 140 °F)								
		Bullet and Outdoor Dome	-30 °C to +60 °C (-22 °F to 140 °F)								
	Storage Temp	erature	-10 °C to +70 °C (14 °F to 158 °F)								
	Humidity		0 - 95% non-condensing								
CERTIFICATIONS	Certifications/	Directives	UL, cUL, CE, ROHS, RCM, BIS								
	Safety		UL 62368-1, CSA 62368-1, IEC/EN	62368-1, IEC 62471							
		Bullet	IEC 62262 IK10 Impact Rating, UL/0	CSA/IEC 60950-22, IEC 60529 IP66	and IP67 Weather Rating						
	mental	Outdoor Dome	IEC 62262 IK10 Impact Rating, UL/0	CSA/IEC 60950-22, IEC 60529 IP66	and IP67 Weather Rating						
	-		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								
	Electromagne	-	EN 55024, EN 61000-6-1								
	Industrial EMC	-	EN 50130-4, EN 50121-4								

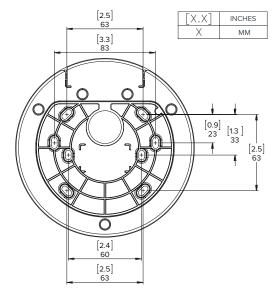
Outline Dimensions

Dome Camera with Surface Mount

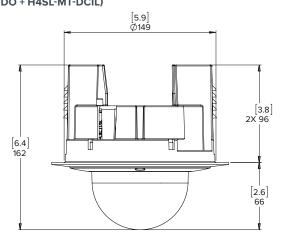
(H5SL-D / H5SL-DO + provided surface mount)

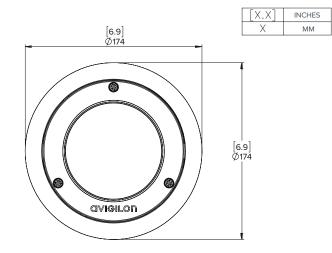






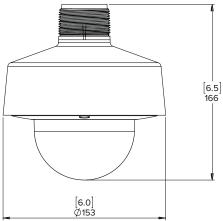
Dome Camera with In-Ceiling Mount (H5SL-D/H5SL-D0 + H4SL-MT-DCIL)

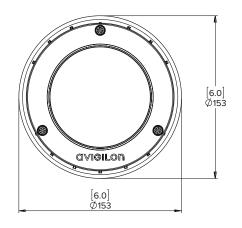




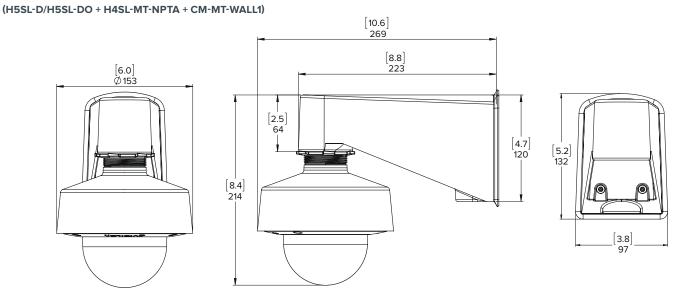
Dome Camera with NPT Adapter

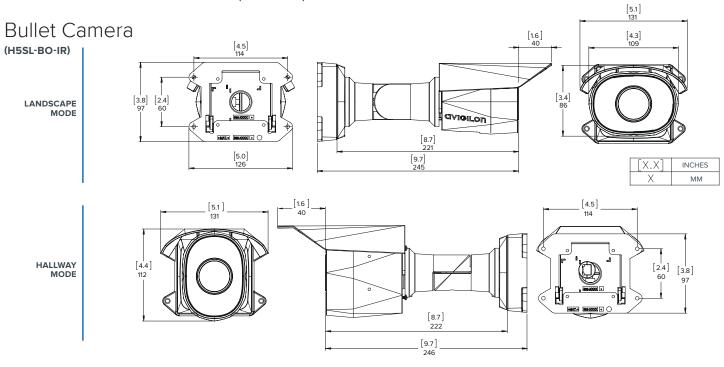
(H5SL-D/H5SL-DO + H4SL-MT-NPTA)



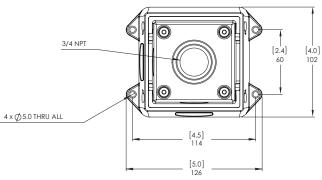


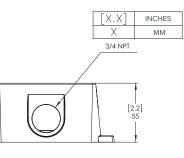
Dome Camera with NPT Adapter and Pendant Wall Mount





Bullet Camera Junction Box (H4-B0-JB0X1)





Ordering Information (Bullet)

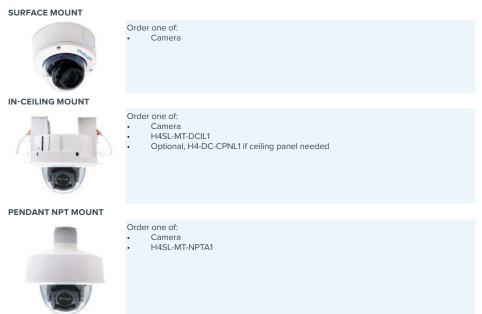
	MP	WDR	LightCatcher Technology	Lens	IR	IP66/IP67	HDSM SmartCodec
1.3C-H5SL-BO1-IR	1.3	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
2.0C-H5SL-BO1-IR	2.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
3.0C-H5SL-BO1-IR	3.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
3.0C-H5SL-BO2-IR	3.0	\checkmark	\checkmark	9.5 - 31 mm	\checkmark	\checkmark	\checkmark
5.0C-H5SL-BO1-IR	5.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
5.0C-H5SL-BO2-IR	5.0	\checkmark	\checkmark	9.5 - 31 mm	\checkmark	\checkmark	\checkmark

H4-BO-JBOX1	Junction box for H5SL, H4SL, and H4 HD bullet cameras
H4-MT-POLE1	Aluminum pole mounting bracket
H4-MT-CRNR1	Aluminum corner mounting bracket
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter

Ordering Information (Dome)

The variety of mounting options for the H5SL dome camera provides maximum flexibility. All the available camera modules can be used in any of the mounting options.

MOUNTING SCENARIO ORDERING INFORMATION



PENDANT WALL MOUNT



Order one of:

- Camera H4SL-MT-NPTA1
- CM-MT-WALL1
- Optional, H4-MT-POLE1 or H4-MT-CRNR1 if pole or corner mount needed

	MP	WDR	LightCatcher Technology	Lens	IR	IP66/IP67	HDSM SmartCodec
1.3C-H5SL-D1	1.3	\checkmark	\checkmark	3 - 9 mm			\checkmark
1.3C-H5SL-D1-IR	1.3	\checkmark	\checkmark	3 - 9 mm	\checkmark		\checkmark
1.3C-H5SL-DO1-IR	1.3	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
2.0C-H5SL-D1	2.0	\checkmark	\checkmark	3 - 9 mm			\checkmark
2.0C-H5SL-D1-IR	2.0	\checkmark	\checkmark	3 - 9 mm	\checkmark		\checkmark
2.0C-H5SL-DO1-IR	2.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
3.0C-H5SL-D1	3.0	\checkmark	\checkmark	3 - 9 mm			\checkmark
3.0C-H5SL-D1-IR	3.0	\checkmark	\checkmark	3 - 9 mm	\checkmark		\checkmark
3.0C-H5SL-DO1-IR	3.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
5.0C-H5SL-D1	5.0	\checkmark	\checkmark	3.1 - 8.4 mm			\checkmark
5.0C-H5SL-D1-IR	5.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark		\checkmark
5.0C-H5SL-DO1-IR	5.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark

H4SL-MT-DCIL1	In-ceiling mounting adapter for the H5SL and H4SL dome camera
H4SL-MT-NPTA1	NPT adapter for the H5SL and H4SL dome camera
CM-MT-WALL1	Pendant wall mount
H4-DC-CPNL1	Metal ceiling panel
H4-MT-POLE1	Aluminum pole mounting bracket
H4-MT-CRNR1	Aluminum corner mounting bracket
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter
H4SL-DD-SMOK1	Replacement outdoor smoke dome cover
H4SL-DD-CLER1	Replacement outdoor clear dome cover
H4SL-DI-SMOK1	Replacement indoor smoke dome cover
H4SL-DI-CLER1	Replacement indoor clear dome cover
H4SL-DO1-BASE	Replacement outdoor surface mount adapter
H4SL-D1-BASE	Replacement indoor surface mount adapter





H5SL Camera Line







Features



UNUSUAL MOTION DETECTION

Uses AI to notify you of unusual events that might otherwise have been missed, offering increased situational awareness and helping you effectively monitor more cameras.



LIGHTCATCHER[™] TECHNOLOGY Offers exceptional detail in areas with low lighting.



DUAL EXPOSURE WIDE DYNAMIC RANGE Capture details in scenes with both very bright and dark areas.



ONVIF® COMPLIANT Built on an open platform to allow integration with other security solutions.



MULTIPLE LENS OPTIONS

Choose from various lens types, including long zoom, for flexible coverage options.

H.265 WITH HDSM SMARTCODEC[™] TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings, helping to keep internet connectivity costs down.



ADAPTIVE INFRARED (IR)

Automatically adjusts IR beam width and exposure settings based on scene conditions to help maximize image quality.



RELAY I/O CONNECTIONS

Incorporate and configure input/output actions and alarms for fast event response.



MADE IN NORTH AMERICA AND 5 YEAR WARRANTY

Manufactured in North America* using globally-sourced materials and North American expertise, Avigilon stands behind the quality of its products. Backed by a 5 year warranty.

Specifications

			1.3 MP	2.0 MP		3.0 MP		5.0 MP	
MAGE	DIVINION CONTRACTOR OF CONTRAC		1/2.8" progressive scan CMOS						
PERFORMANCE	Aspect Ratio		5:4 16:9		4:3			4:3	
	Active Pixels (H x V)		1280 x 1024	1920 x 108	0	2048 x 1536		2592 x 1944	
	Imaging Area ((H x V)	3.2 mm x 2.56 mm; 0.126" x 0.101" 4.8 mm x 2.7 mm; 0.189" x 0.106" 5.12 mm x 3.84 mm; 0.202" x 0.15				202" x 0.151"	5.18 mm x 3.89 mm; 0.204" x 0.15	
	Max Image Rate		(50 Hz/60 Hz): 25 fps/30 fps (50 Hz/60 Hz): 25 fps/24 fps						
	Range	WDR Off WDR On	100 dB 120 dB (dual exposure)					110 dB (dual exposure)	
	Resolution Sca		Down to 384 x 216						
	Camera Opera	ating Mode	N/A					Full feature or High framerate mode (UMD disabled in High framerate mode)	
	Bandwidth Ma	nagement	HDSM SmartCodec technology; Idl	e scene mo	de				
	3D Noise Redu	uction Filter	Yes						
			3 – 9 mm		3.1 – 8.4 mm		9.5 – 31 n	nm	
ENS AND IR	IR Illumination Max Distance		30 m (100 ft), full tele 20 m (65 ft), full wide		30 m (100 ft), full tele 20 m (65 ft), full wide		N/A		
LLOMINATION	(high power 850 nm LEDs)	Bullet	N/A		50 m (165 ft), full tele 30 m (100 ft), full wide		70 m (230	ft), full tele ft), full wide	
	000 1111 2220)	1.3 MP	With IR: 0 lux in color or monochror	ne mode	With IR: 0 lux in color of	r monochrome mode	N/A	iti, itili wide	
		2.0 MP	Without IR: 0.03 lux in color mode;		Without IR: 0.04 lux in		N/A		
		3.0 MP	monochrome mode		monochrome mode			ux in color or monochrome mode	
	Minimum Illumination	3.0 MF						0.03 lux in color mode; 0.015 lux	
		5.0 MP	N/A		With IR: 0 lux in color c	or monochrome mode		ux in color or monochrome mode	
					Without IR: 0.02 lux in monochrome mode	color mode; 0.01 lux in		0.015 lux in color mode; 0.007 lux rome mode	
		1.3 MP	(16:9)(4:3) 35° – 90°		(16:9)(4:3) 35° - 90°		N/A		
	Horizontal	2.0.140	(5:4) 33° – 85°		(5:4) 33° – 85°		N/A		
	Angle of View Based on	3.0 MP						32°; (5:4) 9.5° – 32°; (4:3) 9.5° – 30	
	Aspect Ratio	5.0 MP	N/A		(16:9)(4:3) 35° – 90°		(16:9)(4:3) 9		
		1.3 MP	(16:9) 20° – 49°		(16:9) 20° – 49°		(10.5)(4.5) 5 N/A		
	Vertical Angle		$(16:9) 20^\circ - 49^\circ$ (5:4)(4:3) 26° - 66°		(15.9) 20 - 49 (5:4)(4:3) 26° - 66°		N/A		
	of View Based on	2.0 IVIF							
	Based on	2.0 MD						7° (E·4)(4·2) 7° - 22°	
	Based on Aspect Ratio	3.0 MP	N/A		(16:0) 20° - 40° (4:2) 20	c° – cc°	(16:9) 6° – 1	17°; (5:4)(4:3) 7° – 23°	
	Aspect Ratio	3.0 MP 5.0 MP	N/A		(16:9) 20° – 49°; (4:3) 20	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1	17°; (5:4)(4:3) 7° – 23° 17°; (4:3) 7° – 23°	
	Aspect Ratio Max Aperture		F1.4		(16:9) 20° – 49°; (4:3) 20 F1.6	6° – 66°	(16:9) 6° – 1		
	Aspect Ratio					6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control	5.0 MP	F1.4	HDSM Smar	F1.6	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compre Method	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H		F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compre Method Streaming	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H	.265, Motior	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection	.265, Motior	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Comprese Method Streaming Motion Detect Tamper Detect	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Comprese Method Streaming Motion Detect Tamper Detect Electronic Shu	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compres Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control	5.0 MP ession ion tton tter Control	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compres Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Con	5.0 MP ession ion ttion ttter Control	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual Automatic, Manual	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Corr Flicker Control	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual Automatic, Manual 50 Hz, 60 Hz	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Con Flicker Control White Balance	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual So Hz, 60 Hz Automatic, Manual	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Corr Flicker Control	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual Automatic, Manual 50 Hz, 60 Hz	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Con Flicker Control White Balance	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual So Hz, 60 Hz Automatic, Manual	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
MAGE CONTROL	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Control White Balance Backlight Comes	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Control White Balance Backlight Comes	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Compre- Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Compres Audio Input/Ou External I/O Te	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual (1/6 to 1/8000 se Automatic, Manual 50 Hz, 60 Hz Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Digitable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Compresent Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Input/Ou External I/O Ter Network Cabling Type	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual (1/6 to 1/8000 se Automatic, Manual Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Di to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out	.265, Motior n (UMD)	F1.6 tCodec, Motion JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Compresent Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Input/Ou External I/O Ter Network Cabling Type Connector	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 se Automatic, Manual (1/6 to 1/8000 se Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45	.265, Motior n (UMD) ec)	F1.6 tCodec, Motion JPEG n JPEG	6° – 66°	(16:9) 6° – 1 (16:9) 6° – 1		
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Comprese Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Input/Ot External I/O Te Network Cabling Type Connector ONVIF	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 set Automatic, Manual (1/6 to 1/8000 set Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and	.265, Motion n (UMD) ec) I Profile T (w	F1.6 tCodec, Motion JPEG n JPEG		(16:9) 6° - 1 (16:9) 6° - 1 F1.4	7°: (4:3) 7° – 23°	
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Comprese Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Input/Ot External I/O Te Network Cabling Type Connector ONVIF Security	5.0 MP	F1.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 set Automatic, Manual (1/6 to 1/8000 set Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Password protection, HTTPS encry	.265, Motion n (UMD) ec) I Profile T (w ption, diges:	F1.6 tCodec, Motion JPEG n JPEG www.onvif.org) t authentication, WS aut	hentication, user access	(16:9) 6° - 1 (16:9) 6° - 1 F1.4	7°: (4:3) 7° – 23°	
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Comprese Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Input/Ou External I/O Te Network Cabling Type Connector ONVIF Security Protocols	5.0 MP	FI.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 set Automatic, Manual (1/6 to 1/8000 set Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Password protection, HTTPS encry IPv6, IPv4, HTTP, HTTPS, SOAP, DN	.265, Motion n (UMD) ec) I Profile T (w ption, diges IS, NTP, RTS	F1.6 tCodec, Motion JPEG n JPEG www.onvif.org) t authentication, WS auti	hentication, user access IGMP, ICMP, DHCP, Zero	(16:9) 6° - 1 (16:9) 6° - 1 F1.4	7°: (4:3) 7° – 23°	
	Aspect Ratio Max Aperture Control Image Comprese Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Input/Oc External I/O Te Network Cabling Type Connector ONVIF Security Protocols Streaming Prot	5.0 MP	FI.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 set Automatic, Manual Automatic, Manual S0 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Password protection, HTTPS encry IPv6, IPv4, HTTP, HTTPS, SOAP, DN RTP/UDP, RTP/UDP multicast, RTP/	.265, Motion n (UMD) ec) I Profile T (w ption, diges IS, NTP, RTS	F1.6 tCodec, Motion JPEG n JPEG www.onvif.org) t authentication, WS auti	hentication, user access IGMP, ICMP, DHCP, Zero	(16:9) 6° - 1 (16:9) 6° - 1 F1.4	7°: (4:3) 7° – 23°	
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Comprese Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Input/Oc External I/O Te Network Cabling Type Connector ONVIF Security Protocols Streaming Prot	5.0 MP	FI.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 set Automatic, Manual (1/6 to 1/8000 set Automatic, Manual 50 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones Opus, G.711 PCM 8 kHz Line level input and output Alarm In, Alarm Out 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Password protection, HTTPS encry IPv6, IPv4, HTTP, HTTPS, SOAP, DN	.265, Motion n (UMD) ec) I Profile T (w ption, diges IS, NTP, RTS	F1.6 tCodec, Motion JPEG n JPEG www.onvif.org) t authentication, WS auti	hentication, user access IGMP, ICMP, DHCP, Zero	(16:9) 6° - 1 (16:9) 6° - 1 F1.4	7°: (4:3) 7° – 23°	
AUXILIARY I/O	Aspect Ratio Max Aperture Control Image Comprese Method Streaming Motion Detect Tamper Detect Electronic Shu Iris Control Day/Night Com Flicker Control White Balance Backlight Com Privacy Zones Audio Input/Oc External I/O Te Network Cabling Type Connector ONVIF Security Protocols Streaming Prot	5.0 MP	FI.4 P-Iris, Remote Focus and Zoom H.264 HDSM SmartCodec, H.265 H Multi-stream H.264, Multi-stream H Pixel and Unusual Motion Detection Yes Automatic, Manual (1/6 to 1/8000 set Automatic, Manual Automatic, Manual S0 Hz, 60 Hz Automatic, Manual Adjustable Up to 64 zones 100BASE-TX CAT5 RJ-45 ONVIF compliant with Profile S and Password protection, HTTPS encry IPv6, IPv4, HTTP, HTTPS, SOAP, DN RTP/UDP, RTP/UDP multicast, RTP/	.265, Motion n (UMD) ec) I Profile T (w ption, diges IS, NTP, RTS	F1.6 tCodec, Motion JPEG n JPEG www.onvif.org) t authentication, WS auti	hentication, user access IGMP, ICMP, DHCP, Zero	(16:9) 6° - 1 (16:9) 6° - 1 F1.4	7°: (4:3) 7° – 23°	

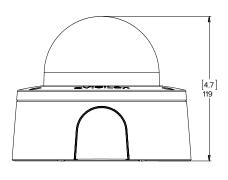
Specifications (Con't)

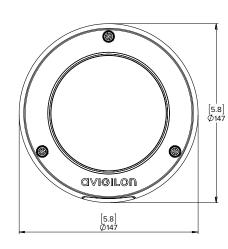
MECHANICAL			SURFACE MOUNT	IN-CEILING MOUNT	PENDANT MOUNT				
(DOME)	OME)		SURFACE MOUNT	IN-CEILING MOONT	NPT ADAPTER	NPT + WALL MOUNT			
	Dimensions (L	.xWxH)	147 mm x 147 mm x 119 mm; 5.8" x 5.8" x 4.7"	174 mm x 174 mm x 162 mm; 6.9" x 6.9" x 6.4"	153 mm x 153 mm x 166 mm; 6.0" x 6.0" x 6.5"	269 mm x 153 mm x 214 mm; 10.6" x 6.0" x 8.4"			
	Max. Ceiling T	hickness	N/A	32 mm (1.25")	N/A	N/A			
	Weight		Indoor Dome — 0.76 kg; 1.68 lbs Outdoor Dome — 0.78 kg; 1.72 lbs	Indoor Dome — 0.75 kg; 1.65 lbs Outdoor Dome — 0.77 kg; 1.69 lbs	Indoor Dome — 0.75 kg; 1.65 lbs Outdoor Dome — 0.77 kg; 1.69 lbs	Indoor Dome — 2.02 kg; 4.45 lbs Outdoor Dome — 2.04 kg; 4.49 lbs			
	Dome Bubble		olycarbonate, clear						
	Body		olycarbonate Polycarbonate/aluminum						
	Housing		Vandal resistant						
	Finish		Cool grey			Close to RAL 9003			
	Adjustment Ra	ange	360° pan, $\pm 180^\circ$ azimuth, $30^\circ-95^\circ$	tilt (recommended), 10° – 95° tilt (max	kimum)				
MECHANICAL	Dimensions (L	.xWxH)	285 mm x 131 mm x 97 mm; 11.2" x	5.1" x 3.8" (including mounting brack	et)				
(BULLET)	Weight Cam	era	1.29 kg (2.84 lbs)						
	Mou	nting Bracket	0.21 kg (0.46 lbs)						
	Body		Aluminum						
	Housing		Surface mount, tamper resistant, vandal resistant						
	Finish		Powder coat, cool grey						
	Adjustment Ra	inge	$\pm 175^\circ$ pan, $\pm 90^\circ$ tilt, $\pm 175^\circ$ azimuth						
ELECTRICAL	Indoor Dome								
	Consumption	Outdoor Dome							
	Bullet		9 W max						
	Power Source*		PoE: IEEE802.3af Class 3 compliant						
	RTC Backup Battery		3V manganese lithium						
	* When powered w	ith some models of P	PoE++ injectors, the injectors may not power the car	mera correctly.					
ENVIRONMENTAL		Indoor Dome	0 °C to +60 °C (32 °F to 140 °F)						
	Operating Temperature	Bullet and Outdoor Dome	-30 °C to +60 °C (-22 °F to 140 °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, RCM, BIS						
	Safety		UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471						
		Bullet	IEC 62262 IK10 Impact Rating, UL/0	CSA/IEC 60950-22, IEC 60529 IP66	and IP67 Weather Rating				
	mental	Outdoor Dome	IEC 62262 IK10 Impact Rating, UL/0	CSA/IEC 60950-22, IEC 60529 IP66	and IP67 Weather Rating				
	-		•	ES-003 Class B, EN 55032 Class B, E	EN 61000-6-3, EN 61000-3-2, EN 6100	00-3-3			
	Electromagne	-	EN 55024, EN 61000-6-1						
	Industrial EMC	-	EN 50130-4, EN 50121-4						

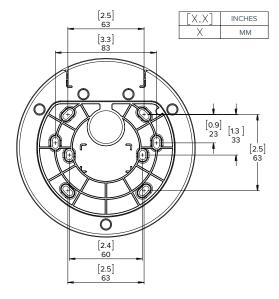
Outline Dimensions

Dome Camera with Surface Mount

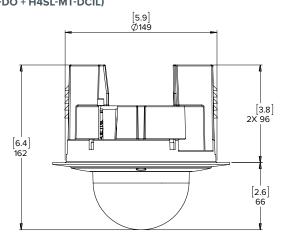
(H5SL-D / H5SL-DO + provided surface mount)

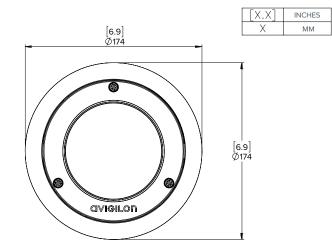






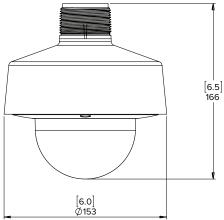
Dome Camera with In-Ceiling Mount (H5SL-D/H5SL-D0 + H4SL-MT-DCIL)

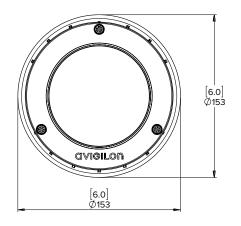




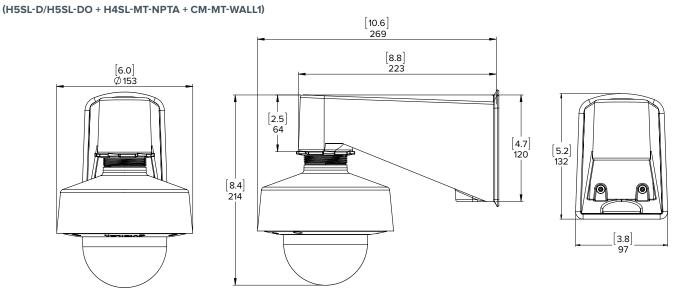
Dome Camera with NPT Adapter

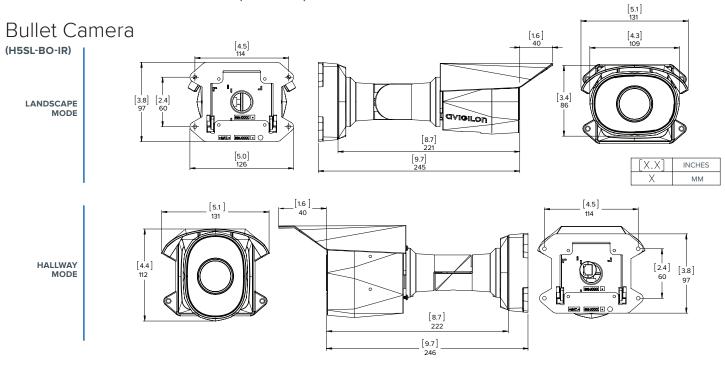
(H5SL-D/H5SL-DO + H4SL-MT-NPTA)



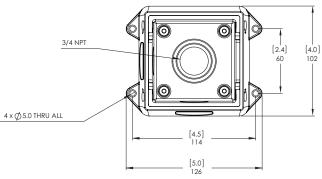


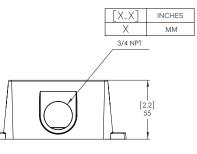
Dome Camera with NPT Adapter and Pendant Wall Mount





Bullet Camera Junction Box (H4-B0-JB0X1)





Ordering Information (Bullet)

	MP	WDR	LightCatcher Technology	Lens	IR	IP66/IP67	HDSM SmartCodec
1.3C-H5SL-BO1-IR	1.3	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
2.0C-H5SL-BO1-IR	2.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
3.0C-H5SL-BO1-IR	3.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
3.0C-H5SL-BO2-IR	3.0	\checkmark	\checkmark	9.5 - 31 mm	\checkmark	\checkmark	\checkmark
5.0C-H5SL-BO1-IR	5.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
5.0C-H5SL-BO2-IR	5.0	\checkmark	\checkmark	9.5 - 31 mm	\checkmark	\checkmark	\checkmark

H4-BO-JBOX1	Junction box for H5SL, H4SL, and H4 HD bullet cameras
H4-MT-POLE1	Aluminum pole mounting bracket
H4-MT-CRNR1	Aluminum corner mounting bracket
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter

Ordering Information (Dome)

The variety of mounting options for the H5SL dome camera provides maximum flexibility. All the available camera modules can be used in any of the mounting options.

MOUNTING SCENARIO ORDERING INFORMATION



Order one of:



- Camera H4SL-MT-NPTA1
- CM-MT-WALL1

Optional, H4-MT-POLE1 or H4-MT-CRNR1 if pole or corner mount needed

	MP	WDR	LightCatcher Technology	Lens	IR	IP66/IP67	HDSM SmartCodec
1.3C-H5SL-D1	1.3	\checkmark	\checkmark	3 - 9 mm			\checkmark
1.3C-H5SL-D1-IR	1.3	\checkmark	\checkmark	3 - 9 mm	\checkmark		\checkmark
1.3C-H5SL-DO1-IR	1.3	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
2.0C-H5SL-D1	2.0	\checkmark	\checkmark	3 - 9 mm			\checkmark
2.0C-H5SL-D1-IR	2.0	\checkmark	\checkmark	3 - 9 mm	\checkmark		\checkmark
2.0C-H5SL-DO1-IR	2.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
3.0C-H5SL-D1	3.0	\checkmark	\checkmark	3 - 9 mm			\checkmark
3.0C-H5SL-D1-IR	3.0	\checkmark	\checkmark	3 - 9 mm	\checkmark		\checkmark
3.0C-H5SL-DO1-IR	3.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark
5.0C-H5SL-D1	5.0	\checkmark	\checkmark	3.1 - 8.4 mm			\checkmark
5.0C-H5SL-D1-IR	5.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark		\checkmark
5.0C-H5SL-DO1-IR	5.0	\checkmark	\checkmark	3.1 - 8.4 mm	\checkmark	\checkmark	\checkmark

H4SL-MT-DCIL1	In-ceiling mounting adapter for the H5SL and H4SL dome camera
H4SL-MT-NPTA1	NPT adapter for the H5SL and H4SL dome camera
CM-MT-WALL1	Pendant wall mount
H4-DC-CPNL1	Metal ceiling panel
H4-MT-POLE1	Aluminum pole mounting bracket
H4-MT-CRNR1	Aluminum corner mounting bracket
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter
H4SL-DD-SMOK1	Replacement outdoor smoke dome cover
H4SL-DD-CLER1	Replacement outdoor clear dome cover
H4SL-DI-SMOK1	Replacement indoor smoke dome cover
H4SL-DI-CLER1	Replacement indoor clear dome cover
H4SL-DO1-BASE	Replacement outdoor surface mount adapter
H4SL-D1-BASE	Replacement indoor surface mount adapter

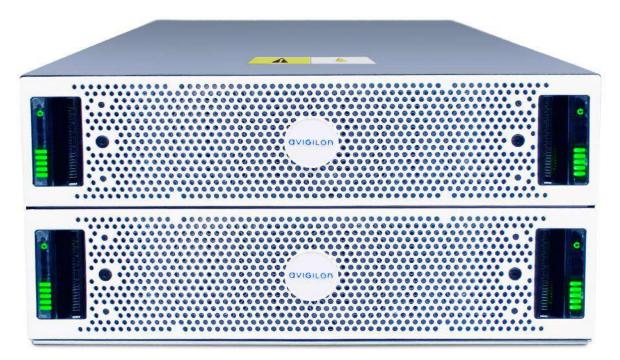




Avigilon Video Archive



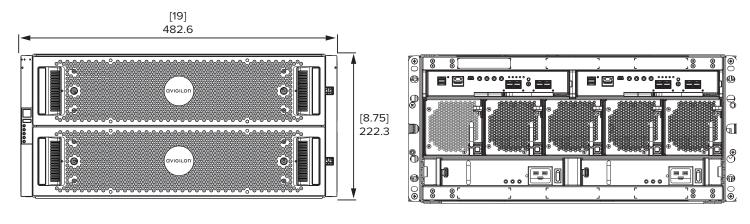
The Avigilon Video Archive is a scalable storage expansion solution that is fully integrated with Avigilon Control Center[™] software and Network Video Recorders. This cost-effective technology offers an Avigilon-backed solution that helps deliver a complete, end-to-end video security platform. The Avigilon Video Archive is built on hardware technology that delivers superior reliability with no single point of failure and near zero downtime, ensuring video archives are preserved for swift on-demand retrieval and review.



Key Benefits

- Pay as you grow Scalable from 336TB to 2PB (RAW) per Network Video Recorder with enterprise NL-SAS drives to cost-effectively grow in lock-step with your organization
- Fully integrated with ACC and Site Health Simplifies management of multiple Petabytes of data and provides system health status in ACC[™] dashboards
- Maximize uptime Mission critical design with fully redundant architecture that eliminates any single point of failure
- Prevent data loss Minimize risk of data loss and non-compliance via erasure coding's fast rebuild capability, vastly outperforming RAID alternatives
- Avigilon-backed Support Up to 5 years of onsite support (Next business day) with optional "keep-your-drive" warranty that ensures no drive ever leaves your premises

Dimensions



Specifications

SYSTEM	Form Factor	5U Rackmount
01012.01	Maximum Storage	2 PB Raw or 1.5PB usable
	Drive Bays	84 × 3.5" Bays
	Hard Drives Supported	Nearline SAS
	Max Number of NVRs Connected	4 per Head Unit
	Supported NVRs	NVR Standard and Premium Models
	Supported Operating Systems	Windows Server 2016
	Connectivity	Redundant Path 10Gb iSCSI
	Ports	8× SFP+ and 2 × 12Gb SAS
	Data Protection	Erasure Coding
	Controller	Dual Hot Swappable Redundant Storage Controllers
	Expansion Options	Internal disk packs and one Direct Attach SAS Expansion Chassis with up to 84 drives
	Warranty	3 Years Next Business Day on-site support. Extendable to 5 years. Optional Keep Your Drive Warranty available.
MECHANICAL	Power	200 [~] 240VAC , 2200W Dual Redundant
	Operating Temperature	5°C ~ 40°C (41°F~104°F)
	Operating Humidity	10 - 80% (non-condensing)
	Dimensions (W×D×H)	482.6mm × 892.2mm × 222.3mm; 19" × 35.12" × 8.75"
	Maximum Weight	135 kg; 298 lb
CERTIFICATIONS	Certifications/Directives	UL, CUL, CE, ROHS, RCM, NOM, BIS, BSMI, EAC, KC, NRCS, VCCI
	Safety	UL/CSA 60950-1, IEC/EN 60950-1
	Electromagnetic Emissions	FCC Part 15 Subpart B, IC ICES-003, EN 55032, EN 61000-3-2, EN 61000-3-3
	Electromagnetic Immunity	EN 55024
ORDERING	PRODUCTS	
INFORMATION	AVA-HED1-225TB	Avigilon Video Archive Head Unit, 225TB, 5U
	AVA-HED1-488TB	Avigilon Video Archive Head Unit, 488TB, 5U
	AVA-HED1-751TB	Avigilon Video Archive Head Unit, 751TB, 5U
	AVA-EXP1-263TB	Avigilon Video Archive Expansion Unit, 263TB, 5U
	AVA-EXP1-526TB	Avigilon Video Archive Expansion Unit, 526TB, 5U
	AVA-EXP1-789TB	Avigilon Video Archive Expansion Unit, 789TB, 5U
	AVA-HDD1-263TB	Avigilon Video Archive, Expansion Disk Pack, 263TB
	ACCESSORIES	
	AVA-HED1-NVR4-CONNECT	Avigilon Video Archive, NVR4 Connectivity Kit
	HD-NVR4-STD-2NDCPU	NVR4 Standard, 2nd CPU Kit

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4-Port H.264 Analog Video Encoder with Audio Support

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 analog video encoder is just one way Avigilon can help provide the very best monitoring and protection.





Avigilon analog video encoders minimize bandwidth and storage requirements while capturing high-quality surveillance footage (in full resolution of up to 30 images per second per analog camera) for greater coverage and enhanced overall protection.

Using standard network equipment, the analog video encoder seamlessly integrates with the Avigilon Control Center system, Avigilon Blue cloud platform, and NVRs to create a network-based surveillance solution with unmatched performance, ease of use, and ease of installation. Plus they also feature 3D motion-adaptive de-interlacing for sharper, more accurate video.

KEY FEATURES

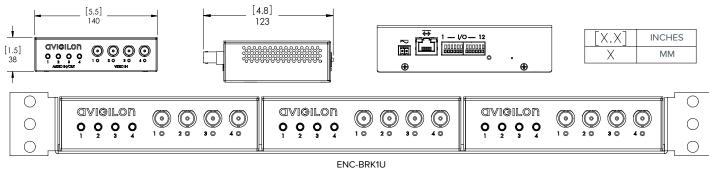
4 video channels
Max resolution 720 x 480 (NTSC) or 720 x 576 (PAL)
30 images per second from each port
H.264 and Motion JPEG compression
ONVIF compliant API
Motion adaptive 3D deinterlacing
Support for PTZ and dome cameras via RS-485 interface
Up to 4 privacy zones available per channel
4 audio input channels
4 audio output channels
External I/O terminals
Power over Ethernet, 24 VAC or 12 VDC power input
Automatically connects to Avigilon Control Center NVMS and Avigilon Blue cloud platform

Rack mount kit allows 3 encoders in 1U of rack space

Specifications

ENCODER Video Channels 4 Video Standard NTSC; PAL Video Format Composite Video 1.0 Vpp with 75 Ohm selectable termination								
Video Format Composite Video 1.0 Vpp with 75 Ohm selectable termination								
Video Input BNC connection	BNC connection							
Max Resolution 720 (H) × 480 (V) NTSC; (per channel) 720 (H) × 576 (V) PAL								
Image Rate (per channel) 30 NTSC at max. resolution; 25 PAL								
Image Compression Method H.264 (MPEG-4 Part 10/AVC); Motion JPEG								
Motion Detection Selectable sensitivity and threshold								
Privacy Zones (per channel) Up to 4 zones								
Audio Input Channels 4								
Audio Output Channels 4								
Audio Compression Method G.711 PCM 8kHz								
Audio Input/Output Line input/output, I/O mini-jack (3.5 mm)								
PTZ Control RS-485 interface								
PTZ Protocols American Dynamics Sensormatic, AXSYS, AXSYS DCU, Ernitec ERNA, Honeywell Diamond, Kalatel ASCII, Pelco extended, Vicon normal, Videotec Legacy, Videotec MACRO	D, Pelco P, TE	B Ligne, Vicon						
External I/O Terminals 4 Alarm In, 4 Alarm Out								
NETWORK								
Network 100BASE-TX								
Cabling Type CAT5								
Connector RJ-45								
API ONVIF compliance version 1.02, 2.00 (www.onvif.org)								
Security Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x po	ort based auth	entication.						
Protocol IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP	IPv6, 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 (LxWxH) 140 mm x 123 mm x 38 mm (5.5" x 4.8" x 1.5")								
Weight 0.62 kg (1.4 lbs)								
ELECTRICAL Power Source VDC: 12 V VAC: 24 V PoE: IEEE802.3af Class 3 compliant								
Power Consumption 8 W								
Power Connector 2-pin terminal block								
ENVIRONMENTAL Operating Temperature 12 VDC: -10°C to 48°C (14°F to 118°F); 24 VAC or POE: -10°C to 50°C (14°F to 122°F)								
Storage Temperature -10 °C to 70 °C (14 °F to 158 °F)								
Humidity 20 - 80% Relative humidity (non-condensing)								
CERTIFICATIONS Certifications/Directives UL cUL CE ROHS WEEE RCM KC E	EAC							
Safety UL 60950-1 CSA 60950-1 IEC/EN 60950-1								
Safety UL 60950-1 CSA 60950-1 IEC/EN 60950-1	EN 61000-3-3	KN 22						

Outline Dimensions



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Ordering Information

ENC-4P-H264 ENC-BRK1U 4-Port H.264 Video Encoder with 4 Audio Inputs and 4 Audio Outputs

1U EIA (19") Rack Mountable Bracket for 3 ENC-4P-H264

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