

# 8MP AcuPick Starlight+ Network Vari-focal Dome Camera (8 mm to 32 mm) ePoE, True Wide Dynamic Range, and Analytics+







WizMind Series devices offer Dahua Analytics+ functions for comprehensive, human-oriented analytic solutions. WizMind Series products are ideal for complex applications with demanding requirements that need advanced analytic capabilities.

### **System Overview**

The Dahua AcuPick Starlight+ 8MP Network Vari-focal Dome Camera offers Analytics+ functions at the edge—performing complex real-time AcuPick, Face Detection, People Counting, and Perimeter Protection. Dahua's Analytics+ algorithms significantly improve accuracy and reliability compared to standard intelligent features. The camera is ideal for a host of diverse applications with Starlight+, True Wide Dynamic Range, Smart IR technologies, and an IP67 and IK10 rating to operate in the most difficult lighting conditions and environments.

#### **Functions**

#### AcuPick

Dahua effectively utilizes both front-end and back-end intelligence to realize Acu-Pick. Acu-Pick technology is a true video search engine that can quickly locate the information you need. Use it to find a lost individual, locate a specific vehicle, or pinpoint evidence of a suspect who's damaged another's property.

#### Al-powered Image

With AI ISP technology, the camera is able to easily adapt to scenes, producing high quality images that reveal the fine details of targets.

#### Al Smart Scene Adaptive (SSA) Technology

Smart Scene Adaptive (SSA) is an intelligent image technology, developed by Dahua that automatically evaluates and compensates for changes in the luminance of a scene. SSA automatically regulates the exposure parameters to improve image quality in a backlit scene, especially in scenes with traffic lights or headlights.

#### **Face Detection**

Face Detection technology captures a human face in a digital image and then selects the best image and outputs a snapshot of the face.

#### People Counting

The camera uses complex real-time people counting algorithms to deliver accurate flow statistics from two distinct people counting functions, Line Crossing and Regional. The line crossing function counts the number of people crossing a defined line, and the regional function counts the number of people in a distinct, user-defined area. People counting is ideal for measuring the number of customers entering or exiting a location and to monitor groups of people in a distinct location.

#### Smart Motion Detection+

Smart Motion Detection+, a component of Dahua's Analytics+ technology, improves alarm accuracy and decreases the number of false alarms. The advanced SMD+ algorithm analyzes a scene for human or vehicle motion, while filtering out other motion due to trees, leaves, animals, weather, and triggers an alarm when detected.

- 1/1.8-in. 8MP Progressive-scan CMOS Sensor
- Quadruple-stream Encoding
- Al Coding, Smart H.265+, and Smart H.264+ Video Compression
- AI Smart Scene Adaptive (SSA) Technology
- E-PTZ Technology
- 8MP (3840 x 2160) at 30 fps, 8 mm to 32 mm Motorized Lens
- Enhanced Power and Data Transmission Distances (ePoE)
- · Starlight+ Technology for Low-light Applications
- Analytics+ Functions AcuPick, Face Detection, People Counting, Perimeter Protection, and Smart Motion Detection+
- True Wide Dynamic Range (120 dB) and True Day/Night IR Cut Filter
- Maximum IR LED Distance 80.0 m (262.47 ft)
- Built-in Microphone
- IP67 Ingress Protection, IK10 Vandal Resistance
- Five-year Warranty\*

#### Perimeter Protection

Dahua Analytics+ includes Tripwire and Intrusion functions that offer custom tripwires based on object type for automation in limited access areas. Perimeter Protection requires less pixels to detect an object to deliver improved accuracy and decreased false alarms due to lights, weather, trees, or animals.

#### Electronic Pan/Tilt/Zoom (E-PTZ) Functionality

E-PTZ is a virtual technology that scans an area within a 180° or a 360° scene and produces an enlarged view of the area. E-PTZ coupled with 4K resolution lets an operator monitor a large area from a single camera, reducing overall security costs

## Enhanced Power over Ethernet (ePoE) Technology

Dahua's innovative ePoE technology offers a plug-and-play solution to transmit power and data over long distances via Ethernet or coaxial cables, reducing installation time and saving money. ePoE technology encompasses pure IP systems where a single CAT5E cable can carry signals up to 800 m (2624 ft), and IP/Analog hybrid systems where the technology leverages existing analog infrastructure to transmit signals up to 1000 m (3281 ft) over RG59 coaxial cable. This seamless technology offers an effective solution for transmitting over long distances and for upgrading legacy analog system to the latest HD technology.

#### Cybersecurity

Dahua network cameras are equipped with a series of key cybersecurity technologies including security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage. These technologies improve the camera's ability to prevent malicious access and to protect data.

#### Enivronmental

The camera complies with the IK10 Vandal Resistance impact rating making it capable of withstanding the equivalent of 5 kg (11.02 lbs) of force dropped from a height of 40 cm (15.75 in.). Subjected to rigorous dust and water immersion tests and certified to the IP67 Ingress Protection rating makes it suitable for demanding outdoor applications.



Privacy Masking

Off, On (8 Areas, Rectangular)

Technical Specification						Audio		
Camera					Compression		PCM, G.711A, G.711Mu, G.726, G.723, AAC	
Image Sensor		1/1.8-in. 8MP CMOS			Network			
Effective Pixels		3840 (H) x 2160 (V)			Ethernet		RJ-45 (10/100 Base-T)	
RAM/ROM		2 GB/4 GB					HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP,	
Scanning System	1	Progressive				Protocol		FTP, DHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS,
Electronic Shutte	er Speed	1/3 s to 1/100,000 s				1.1		UPnP, NTP, ICMP, IGMP, 802.1x
	Color	0.0008 lux at F1.6 (30 IRE)				Interoperability		ONVIF (Profile, S, G, T), CGI, P2P
Minimum Illumination	B/W	0.0004 lux at F1.6 (30 IRE)				Auto Register		Support
aac.o	IR On	0 lux at F1.6				Streaming Meth		Unicast, Multicast 20 Users
S/N Ratio		> 56 dB				Maximum User Access		Network Attached Storage (NAS), FTP, MicroSD Slot
IR Distance		Up to 80.0 m (262.47 ft)				Edge Storage		(Maximum 512 GB)
IR On/Off Contro	ol	Auto, Manual			Web Viewer		Edge (Version 9 or Higher), Chrome (Version 102 or	
IR LEDs		Three (3)					Higher), Firefox (Version 88 or Higher)	
Lens						Mobile Operation	ng System	iOS, Android
Lens Type		Motorized						Video Encryption, Firmware Encryption, Configuration Encryption, Digest, WSSE, Account
Mount Type		Board-in				Cubarcacuritu		Lockout, Security Logs, IP/MAC Filtering, Generating
Focal Length		8 mm to 32 r	mm			Cybersecurity		and Importing X.509 Certification, Syslog, HTTPS,
Maximum Apera		F1.6						802.1x, Trusted Boot, Trusted Execution, Trusted Upgrade
Angle of View	Horizontal Vertical	42° to 15° 23° to 9°				Certification	S	, 5
Angle of View	Diagonal	48° to 17°					5	UL62368-1
Optical Zoom	Diagonal	48 t0 17				Safety		CAN/CSA C22.2 No.62368-1-14
Focus Control		Auto				Electromagneti	c Capability	FCC CFR 47 Part 15 Subpart B
Close Focus Dist	ance	1.50 m (4.92	ft)			(EMC)		Electromagnetic Compatibility Directive 2014/30/EU
0.000 1.0000 2.00		Detect	Observe	Recognize	Identify	Interface		
	Lens	(8 ppf)	(19 ppf)	(38 ppf)	(76 ppf)	Video		One (1) Port (For adjustment only)
DORI¹	Wide	214 m	85 m	43 m	21 m	Audio	Input	One (1) Channel, Built-in Mic
Distance		(701 ft)	(280 ft)	(140 ft)	(70 ft)		Output	One (1) Channel
	Telephoto	573 m (1879 ft)	229 m (752 ft)	115 m (376 ft)	57 m (188 ft)	Alarm	Input Output	Two (2) Channels (5 mA,3 to 5 VDC) One (1) Channel (300 mA, 12 VDC)
Installation Angle		(222.1)			Electrical	Electrical		
Pan		0° to 355°					12 VDC 24 VAC D-F (002 2-F) -D-F	
Range	Tilt	0° to 65°			Power Supply		12 VDC, 24 VAC, PoE (802.3af), ePoE	
Rotation		0° to 355°				12 VDC	Standard: 4.1 W Maximum: 9.3 W (H.265 + WDR+ Intelligence + IR)	
Video					Power	24.1/4.0	Standard:4.9 W	
Compression		Al Coding, Smart H.265+, H.265, Smart H.264+,			Consumption	Consumption 24 VAC	Maximum: 11 W (H.265 + WDR+ Intelligence + IR)	
Compression		H.264, H.264B, H.264H, MJPEG (Sub Stream only)				PoE	Standard: 5.9 W Maximum: 11.7 W (H.265 + WDR+ Intelligence + IR)	
Streaming Capal	oility	Four (4) Streams			Environmont	tal	Maximum: 11.7 W (H.265 + WDR+ Intelligence + IK)	
		8MP (3840 x 2160), 3072 x 2048, 3072 x 1728, 2592			Environment		20 °C + 2 + CO °C / 22 °F + 2 + 140 °F \ 100/ + 2 0 F 0/ DH	
Resolution		x 1944, 4MP (2688 x 1520), 3MP (2048 x 1536), 2304 x 1296, 1080p (1920 x 1080), 1.3MP (1280 x 960),			Operating Cond	litions	-30 °C to +60 °C (-22 °F to +140 °F), 10% to 95% RH	
				4 x 480), VGA (6	640 x 480),	Storage Conditi	ons	-40 °C to $+60$ °C ( $-40$ °F to $+140$ °F), 10% to 95% RH (Daily temperature difference within 15 °C/59 °F)
	Main Ctroom	CIF (352 x 24	•	ic.		Ingress Protecti	on	IP67
	Main Stream Sub Stream 1	·	2160)at 30 fp	15		Vandal Resistan	ce	IK10
Frame Rate <sup>2</sup>	Sub Stream 2	D1 at 30 fps 1080p at 30 fps			Construction	Construction		
	Sub Stream 3	720p at 10 fp	•			Casing		
Bit Rate Control		CBR/VBR			Dimensions		159.10 mm x 118.10 mm (6.26 in. x 4.65 in.)	
	· ·		Net Weight		0.98 kg (2.16 lb)			
Bit Rate	Bit Rate H.264 32 Kbps to 16384 Kbps H.265 12 Kbps to 13568 Kbps		Gross Weight		1.29 kg (2.84 lb)			
		Auto (ICR), Color, B/W			Analytics+ Functions			
BLC Mode		BLC, HLC, True WDR (120 dB), SSA			,		Enable Analytics+ functions depending on a user-	
White Balance		Auto, Natural, Street Lamp, Outdoor, Manual, Regional Custom			Smart Plan Schedule		defined schedule. Allows the camera to switch analytic functions based on time.	
Gain Control		Auto, Gain Priority, Shutter Priority, Iris Priority, Manual					Detects human or vehicle violations using the following methods:	
Noise Reduction		3D DNR			Perimeter Protection		<b>Tripwire</b> : a target crosses a defined line. <b>Intrusion</b> : a target enters or exits a defined perimeter.	
Motion Detection		Off, On (4 Zones, Rectangular)						
Region of Interest		Off, On (4 Zones)					<ul> <li>Monitors a combination of detection methods.</li> <li>Search and retrieve video based on target type.</li> </ul>	
Advanced Features		Smart IR, Defog, Electronic Image Stabilization (EIS)					Detects and captures a snapshot of a human face	
Image Rotation		0°, 90°, 180°, 270° (Support 90°/270° with 4MP (2688x 1520) resolution or lower)			Face Detection		within a scene.	
Mirror		Off, On						

Queue Management  - Monitors four (4) user-defined regions where people wait in line (or queue). Issues an alarm for the following triggers:  - People in Line: the number of people in line exceeds a minimum threshold.  - Wait Time: time a person waits in line is greater than the minimum queue time.  - Directly locate the target: Directly locate the video clips of the target without pre-configuration.  - Smart search by intrusion: AcuPick allows searching for humans/vehicles that have entered the rule area while performing a historical video search of the target.  - One Pick: Users can search in preview or playback with just one pick. I Click to freeze the video and frame the target.  - Smart secondary search: AcuPick can perform a second accurate search based on the search results.  - IPC/NVR extracts and models the target's appearance details through an algorithm, mainly focusing on the appearance characteristics of the human body, such as clothing color, clothing style, gender, body shape, and other relevant information.  - Delivers accurate flow statistics from the following methods:  Line Crossing: Counts a person as they cross a threshold in a defined direction.  Region: Counts the number of people in a defined area.  - Counts people simultaneously from four (4) threshold lines and four (4) defined regions <sup>3</sup> .  - Differentiates between and classifies human and vehicle objects.  - Filters false alarms due to leaves, lights, animals, and other inconsequential objects.  - Filters false alarms due to leaves, lights, animals, and other inconsequential objects.  - Vehicle Up to 10.0 m (32.81 ft)  - Vehicle Up to 15.0 m (49.21 ft)  - Intelligent Video System Functions  Standard Features  - Tampering with the camera.  - Error writing to an onboard Micro SD card.  - Error sending or receiving data over the network.  - Unauthorized access to the camera.  - Error writing to an onboard Micro SD card.  - Error sending or receiving data over the network.  - Unauthorized access to the camera.  - Error writing to an edign	AI SSA	<ul> <li>Automatically evaluates and compensates for changes in the luminance of a scene.</li> <li>Regulates the exposure parameters to improve image quality in a backlit scene, especially in scenes</li> </ul>
clips of the target without pre-configuration.  • Smart search by intrusion: AcuPick allows searching for humans/vehicles that have entered the rule area while performing a historical video search of the target.  • One Pick: Users can search in preview or playback with just one pick. 1 Click to freeze the video and frame the target.  • Smart secondary search: AcuPick can perform a second accurate search based on the search results.  • IPC/NVR extracts and models the target's appearance details through an algorithm, mainly focusing on the appearance characteristics of the human body, such as dothing color, clothing style, gender, body shape, and other relevant information.  • Delivers accurate flow statistics from the following methods:  Line Crossing: Counts a person as they cross a threshold in a defined direction.  Region: Counts the number of people in a defined area.  • Counts people simultaneously from four (4) threshold lines and four (4) defined regions <sup>3</sup> .  • Differentiates between and classifies human and vehicle objects.  • Filters false alarms due to leaves, lights, animals, and other inconsequential objects.  • Extracts human or wehicle objects from recorded video for quick target search and retrieval.  Recommended Detection  Recommended Vehicle Up to 10.0 m (32.81 ft)  Up to 10.0 m (32.81 ft)  Intelligent Video System Functions  IVS triggers an alarm and takes a defined action for the following events:  • Tampering with the camera.  • Error writing to an onboard Micro SD card.  • Error sending or receiving data over the network.  • Unauthorized access to the camera.  • IP Address Conflict  Premium Features  Missing Object  An object is missing from a designated area.  An object is placed in a designated area where no object should be.  Scene Change  A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving  Target exceeds a set speed when exiting a defined area.  Crowd Gathering  Specified number of people remain inside a defined	Queue Management	people wait in line (or queue). Issues an alarm for the following triggers: People in Line: the number of people in line exceeds a minimum threshold. Wait Time: time a person waits in line is greater
People Counting    Counting	AcuPick	clips of the target without pre-configuration.  • Smart search by intrusion: AcuPick allows searching for humans/vehicles that have entered the rule area while performing a historical video search of the target.  • One Pick: Users can search in preview or playback with just one pick. 1 Click to freeze the video and frame the target.  • Smart secondary search: AcuPick can perform a second accurate search based on the search results.  • IPC/NVR extracts and models the target's appearance details through an algorithm, mainly focusing on the appearance characteristics of the human body, such as clothing color, clothing style, gender, body shape, and other relevant
Vehicle objects.  Filters false alarms due to leaves, lights, animals, and other inconsequential objects.  Extracts human or vehicle objects from recorded video for quick target search and retrieval.  Recommended Detection Vehicle Up to 10.0 m (32.81 ft)  Intelligent Video System Functions  IVS triggers an alarm and takes a defined action for the following events:  Tampering with the camera.  Error writing to an onboard Micro SD card.  Error sending or receiving data over the network.  Unauthorized access to the camera.  IP Address Conflict  Premium Features  Missing Object  An object is missing from a designated area.  An object is placed in a designated area where no object should be.  Scene Change  Fast Moving  Target exceeds a set speed when exiting a defined area.  Vehicle remains in a defined area without motion for a set period of time.  Specified number of people remain inside a defined	People Counting	methods:  Line Crossing: Counts a person as they cross a threshold in a defined direction.  Region: Counts the number of people in a defined area.  • Counts people simultaneously from four (4)
Detection Distance  Vehicle  Up to 15.0 m (49.21 ft)  Intelligent Video System Functions  IVS triggers an alarm and takes a defined action for the following events:  • Tampering with the camera. • Error writing to an onboard Micro SD card. • Error sending or receiving data over the network. • Unauthorized access to the camera. • IP Address Conflict  Premium Features  Missing Object  An object is missing from a designated area.  Abandoned Object  An object is placed in a designated area where no object should be.  Scene Change  A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving  Target exceeds a set speed when exiting a defined area.  Vehicle remains in a defined area without motion for a set period of time.  Crowd Gathering  Specified number of people remain inside a defined	Smart Motion Detectio	vehicle objects.  • Filters false alarms due to leaves, lights, animals, and other inconsequential objects.  • Extracts human or vehicle objects from recorded
Distance Vehicle Up to 15.0 m (49.21 ft)  Intelligent Video System Functions  IVS triggers an alarm and takes a defined action for the following events:  • Tampering with the camera. • Error writing to an onboard Micro SD card. • Error sending or receiving data over the network. • Unauthorized access to the camera. • IP Address Conflict  Premium Features  Missing Object An object is missing from a designated area.  Abandoned Object Scene Change A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving Target exceeds a set speed when exiting a defined area.  Vehicle remains in a defined area without motion for a set period of time.  Crowd Gathering Specified number of people remain inside a defined	Tiulii	up to 10.0 m (32.81 ft)
IVS triggers an alarm and takes a defined action for the following events:  • Tampering with the camera. • Error writing to an onboard Micro SD card. • Error sending or receiving data over the network. • Unauthorized access to the camera. • IP Address Conflict  Premium Features  Missing Object  An object is missing from a designated area.  Abandoned Object  An object is placed in a designated area where no object should be.  Scene Change  A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving  Target exceeds a set speed when exiting a defined area.  Vehicle remains in a defined area without motion for a set period of time.  Crowd Gathering  Specified number of people remain inside a defined	\ / - I- !	e Up to 15.0 m (49.21 ft)
• Tampering with the camera. • Error writing to an onboard Micro SD card. • Error sending or receiving data over the network. • Unauthorized access to the camera. • IP Address Conflict  Premium Features  Missing Object  An object is missing from a designated area.  Abandoned Object  An object is placed in a designated area where no object should be.  Scene Change  A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving  Target exceeds a set speed when exiting a defined area.  Vehicle remains in a defined area without motion for a set period of time.  Crowd Gathering  Specified number of people remain inside a defined	Intelligent Video Sv	stem Functions
Error writing to an onboard Micro SD card.     Error sending or receiving data over the network.     Unauthorized access to the camera.     IP Address Conflict  Premium Features  Missing Object  An object is missing from a designated area.  Abandoned Object  An object is placed in a designated area where no object should be.  Scene Change  A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving  Target exceeds a set speed when exiting a defined area.  Vehicle remains in a defined area without motion for a set period of time.  Crowd Gathering  Specified number of people remain inside a defined	IVS triggers an alarm an	takes a defined action for the following events:
Missing Object  An object is missing from a designated area.  An object is placed in a designated area where no object should be.  Scene Change  A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving  Target exceeds a set speed when exiting a defined area.  Parking Detection  Vehicle remains in a defined area without motion for a set period of time.  Specified number of people remain inside a defined	Standard Features	<ul> <li>Error writing to an onboard Micro SD card.</li> <li>Error sending or receiving data over the network.</li> <li>Unauthorized access to the camera.</li> </ul>
Abandoned Object  An object is placed in a designated area where no object should be.  Scene Change  A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving  Target exceeds a set speed when exiting a defined area.  Parking Detection  Vehicle remains in a defined area without motion for a set period of time.  Specified number of people remain inside a defined	Premium Features	
Abandoned Object  object should be.  A person or object moves the camera to change the scene or covers the camera to obscure the scene.  Fast Moving  Target exceeds a set speed when exiting a defined area.  Parking Detection  Vehicle remains in a defined area without motion for a set period of time.  Crowd Gathering  Specified number of people remain inside a defined	Missing Object	
Fast Moving  Fast Moving  Parking Detection  Crowd Gathering  Scene or covers the camera to obscure the scene.  Target exceeds a set speed when exiting a defined area.  Vehicle remains in a defined area without motion for a set period of time.  Specified number of people remain inside a defined	Abandoned Object	, ,
Parking Detection  Parking Detection  Vehicle remains in a defined area without motion for a set period of time.  Specified number of people remain inside a defined	Scene Change	
Parking Detection a set period of time.  Crowd Gathering Specified number of people remain inside a defined	Fast Moving	
	Parking Detection	
	Crowd Gathering	
Loitering Detection Target is in motion inside a defined area longer than a specified amount of time.	Loitering Detection	
Advanced Features	Advanced Features	
Heat Map Generates a visual representation of data.	Heat Map	Generates a visual representation of data.

## **ePoE Transmission Distances**

# Via CAT5E/CAT6 Ethernet Cable

ePoE supply voltage 48 V

Maximum DC resistance < 10  $\Omega/100$  m

Cable Length	Bandwidth	PoE Load Capacity	Hi-PoE Load Capacity	Working Mode
100 m (328 ft)	100 Mbps	25.5 W	53 W	IEEE/E100
200 m (656 ft)	100 Mbps	25.5 W	33 W	E100
300 m (984 ft)	100 Mbps	19 W	19 W	E100
400 m (1312 ft)	10 Mbps	17 W	17 W	E10
500 m (1640 ft)	10 Mbps	13 W	13 W	E10
800 m (2625 ft)	10 Mbps	7 W	7 W	E10

# Via CAT5E/CAT6 Ethernet Cable

ePoE supply voltage 53 V

Maximum DC resistance < 10 Ω/100 m

Cable Length	Bandwidth	PoE Load Capacity	Hi-PoE Load Capacity	Working Mode
100 m (328 ft)	100 Mbps	25.5 W	53 W	IEEE/E100
200 m (656 ft)	100 Mbps	25.5 W	47 W	E100
300 m (984 ft)	100 Mbps	25.5 W	32 W	E100
400 m (1312 ft)	10 Mbps	23 W	26 W	E10
500 m (1640 ft)	10 Mbps	20 W	20 W	E10
800 m (2625 ft)	10 Mbps	13 W	13 W	E10

# Via RG-59 Coaxial Cable

ePoE supply voltage 48 V

Maximum DC resistance < 5 Ω/100 m

	,			
Cable Length	Bandwidth	PoE Load Capacity	Hi-PoE Load Capacity	Working Mode
100 m (328 ft)	100 Mbps	25.5 W	50 W	IEEE/E100
200 m (656 ft)	100 Mbps	25.5 W	30 W	E100
300 m (984 ft)	100 Mbps	18 W	18 W	E100
400 m (1312 ft)	100 Mbps	15 W	15 W	E100
500 m (1640 ft)	10 Mbps	12 W	12 W	E10
800 m (2625 ft)	10 Mbps	6 W	6 W	E10
1000 m (3281 ft)	10 Mbps	5 W	5 W	E10

## Via RG-59 Coaxial Cable

ePoE supply voltage 53 V

Maximum DC resistance  $< 5 \Omega/100 \text{ m}$ 

Cable Length	Bandwidth	PoE Load Capacity	Hi-PoE Load Capacity	Working Mode
100 m (328 ft)	100 Mbps	25.5 W	52 W	IEEE/E100
200 m (656 ft)	100 Mbps	25.5 W	48 W	E100
300 m (984 ft)	100 Mbps	25.5 W	30 W	E100
400 m (1312 ft)	100 Mbps	20 W	23 W	E100
500 m (1640 ft)	10 Mbps	16 W	16 W	E10
800 m (2625 ft)	10 Mbps	10 W	10 W	E10
1000 m (3281 ft)	10 Mbps	8 W	8 W	E10

The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test results according to EN 62676-4, the standard that defines the criteria for the Detect, Observe, Recognize and Identify (lassifications.)

2. The video frame rates listed are the maximum rates for each stream. The actual video rates are subjected to the total encoding.

Ordering Information				
Туре	Part Number	Description		
Camera	N85FL6Z4	8MP AcuPick ePoE Starlight+ Vari-focal Dome Camera		
	PFA101	Mount Adapter		
	PFA138	Junction Box		
	PFA151	Corner Mount (For use with PFA138)		
	PFA152-E	Pole Mount (For use with PFB210W)		
Accessories	DH-PFB201C	In-ceiling Mount		
(Optional)	DH-PFB211W	Wall Mount		
	PFB300C	Ceiling Mount (For use with PFA101)		
	PFB302S	Wall Mount (For use with PFA101)		
	DH-PFM321D-US	12 VDC, 1 A Power Adapter		
	PC-H59-D113.6	Polycarbonate Smoke Tinted Bubble (for Varifocal Domes)		
Accessories	LR1002	EoC Passive Converter		
(ePoE, optional)	LR1002-1EC	Single-port EoC Receiver		

#### Accessories

PC-H59-D113.6

Polycarbonate Smoke

Tinted Bubble

Optional:



LR1002

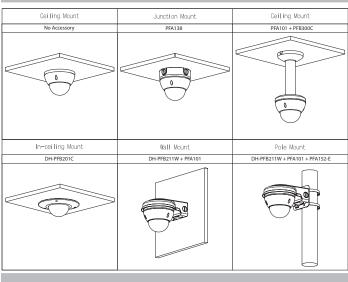
**EoC Passive Converter** 

LR1002-1EC

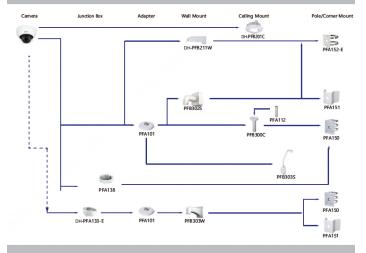
Single-port EoC Receive



# Installation



# **Mounting Diagram**



# **Dimensions**

mm [in.]

