

# 4MP Starlight Network Bullet Camera

True Wide Dynamic Network Camera with Smart Motion Detection







WizSense Series devices combine Dahua's powerful Analytics+ with an intuitive and easy to use interface. WizSense devices offer Smart Motion Detection and Perimeter Protection functions that focus on human and vehicular images and ignore irrelevant images to capture important video while reducing false alarms. WizSense Series devices provide powerful general surveillance for small to medium size businesses at a sensible price.

#### **System Overview**

The Dahua 4 MP Starlight camera offers Smart Motion Detection for improved alarm accuracy from intrusion and tripwire functions. The camera is ideal for a host of diverse applications — Starlight, True Wide Dynamic Range, and IR illumination allow the camera to operate in any lighting condition. The camera is a component of the Dahua ArcticPro series and is rated to IP67 allowing the camera to deliver high-quality and reliable video in the harshest environments.

#### **Functions**

# 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.

#### **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. SMD also saves time when searching recorded video by filtering false alarms and allowing quick retrieval of an alarm due to a person or vehicle.

- 1/3 in. 4 MP Progressive-scan CMOS Sensor
- Triple-stream Encoding
- Smart H.265+ and Smart H.264+ Dual Codec
- 4 MP (2688 x 1520) at 30 fps, 2.8 mm Fixed Lens
- Starlight Technology for Low-light Applications
- Analytics+ Function Perimeter Protection and Smart Motion Detection
- True Wide Dynamic Range (120 dB) and Day/Night IR Cut Filter
- Maximum IR LED Distance 50 m (164.04 ft)
- Built-in Microphone
- ArcticPro Series Camera Operational down to -40° C (-40° F)
- IP67 Ingress Protection
- Five-year Warranty\*













#### ArcticPro

The Dahua ArcticPro Series of extreme-environment cameras combine temperature-tolerant components with a waterproof enclosure to ensure flawless operation in temperatures as low as  $-40^{\circ}$  C ( $-40^{\circ}$  F) without the need for an internal heater. The lack of a heater reduces the camera's power consumption and saves operating costs. For applications that demand high-resolution video with advanced features in extremely cold environments, the Dahua ArcticPro Series offers a camera to satisfy the most demanding requirements.

## Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light conditions. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

#### Smart H.265

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

#### Environmental

Subjected to rigorous dust and water immersion tests and certified to the IP67 Ingress Protection rating makes it suitable for demanding outdoor applications. The camera offers a wide voltage range, with a 30% input voltage tolerance, suitable for external applications with unstable power sources.



Technical S	pecificati	ion				
Camera						
Image Sensor		1/3-in. 4 MP CM	1OS			
Effective Pixels		2688(H) x 1520(	(V)			
RAM/ROM		512 MB/128 ME	3			
Scanning System	m	Progressive				
Electronic Shut	ter Speed	Auto, Manual, 1	./3 s to 1/100,0	000 s		
Minimum Illum	ination	Color: 0.005 lux at F1.6 0 lux at F1.6 (IR on)				
S/N Ratio		> 56 dB				
IR Distance		Up to 50.0 m (1	64.04 ft)			
IR On/Off Conti	rol	Auto, Manual				
IR LEDs		One (1)				
Lens						
Lens Type		Fixed Focal				
Iris Type		Fixed Aperture				
Mount Type		M12				
Focal Length		2.8 mm	2.8 mm			
Maximum Aperture		F1.6				
Angle of View		Horizontal: 103° Vertical: 55° Diagonal: 122°				
Close Focus Dis	tance	0.90 m (2.95 ft)				
	Lens	Detect	Observe	Recognize	Identify	
DORI Distance <sup>1</sup>	2.8 mm	56.0 m (183.73 ft)	22.40 m (73.49 ft)	11.20 m (36.75 ft)	5.60 m (18.37 ft	
Installation	Angle					
Range		Pan: 0* to 360* Tilt: 0* to 90* Rotation: 0* to 360*				
Video						
Compression		Smart H.265+, H H.264H, MJPEG			Н.264В,	
Streaming Capability		Three (3) Streams				
Resolution		4 MP (2688 x 1520), 3 MP (2304 x 1296), 1080p (1920 x 1080), 1.3 MP (1280 x 960), 720p (1280 x 720), D1 (704 x 480), VGA (640 x 480), CIF (352 x 240)				
Frame Rate		Main Stream: 4 MP (2688 x 1520) at 30 fps				
		Sub Stream 1: D1 (704 x 480) at 30 fps				
		Sub Stream 2: 720p (1280 x 720) at 30 fps				
Bit Rate Control		CBR/VBR				
Bit Rate		H.264: 3 Kbps to 8192 Kbps H.265: 3 Kbps to 8192 Kbps				
Bit Rate						
Bit Rate  Day/Night		Auto (ICR), Colo	r, B/W			

Protocol  RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDN. QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, 802.1x, SNMP  Interoperability  ONVIF Profile S and G, CGI, Milestone, Genetec,  Auto Register  Support  Self-adaptive Scene  Support  Streaming Method  Unicast / Multicast  Maximum User Access  20 Users (total bandwidth: 64 Mbps)  Retwork Attached Storage (NAS) FTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer  IE (Version 8 and higher), Chrome, Firefox,  Management Software  Smart PSS, DSS, DMSS  Mobile Operating System  Certifications  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:24 + A2:2013 IEC 60950-1:2005 (Second Edition)  Electromagnetic Compatibility (EMC)  Electromagnetic Compatibility (EMC)  Interface	Noise Reduction		
Advanced Features	Motion Detection		
Image Rotation  O", 90", 180", 270" (supports 90", 270" at 1920 x 1080 resolution)  Mirror  Off, On  Privacy Masking  Off, On (4 Areas, Rectangular)  Audio  Compression  G.711a, G.711Mu, AAC, G.726, PCM  Network  Ethernet  RJ-45 (10/100 Base-T)  IPv4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP, RTRCP, RTMP, SMTP, FTR, SFTP, DHCP, DNS, DDN QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPOE, 802.1x, SNMP  Interoperability  ONVIF Profile S and G, CGI, Milestone, Genetec, Auto Register  Support  Streaming Method  Unicast / Multicast  Maximum User Access  Edge Storage  Support  Streaming Method  Unicast / Multicast  Meximum User Access  Edge Storage  El (Version 8 and higher), Chrome, Firefox, Management Software  Management Software  Smart PSS, DSS, DMSS  Mobile Operating System  IOS, Android  Certifications  Electromagnetic Compatibility  Electromagnetic Compatibility  Electromagnetic Compatibility  Electromagnetic Compatibility  Interface  Input  One (1) Channel, RCA  Input  One (1) Channel, RCA  Output  One (1) Channel (5 mA, 3 to 5 VDC)  Output  One (1) Channel (500 mA, 12 VDC)  Electrical			
Supports 90*, 270* at 1920 x 1080 resolution	Advanced Features		
Audio  Compression G.711a, G.711Mu, AAC, G.726, PCM  Network  Ethernet RJ-45 (10/100 Base-T)  Protocol RTCP, RTMP, SMTP, FTP, STP, DHCP, DNS, DDN QoS, UPPA, NTP, MILICEST, ICMP, IGMP, NFS, PPPOE, 802.1x, SNMP  Interoperability ONVIF Profile S and G, CGI, Milestone, Genetec, Auto Register Support  Streaming Method Unicast / Multicast  Maximum User Access 20 Users (total bandwidth: 64 Mbps)  Edge Storage RTMP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer IE (Version 8 and higher), Chrome, Firefox, Management Software Smart PSS, DSS, DMSS  Mobile Operating System IOS, Android  Certifications  Electromagnetic Compatibility (EMC)  Electromagnetic Compatibility (EMC)  Input One (1) Channel, RCA plus a Built-in Microphone Alarm Output One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (500 mA, 12 VDC)  Electrical	Image Rotation		
Audio  Compression G.711a, G.711Mu, AAC, G.726, PCM  Network  Ethernet RJ-45 (10/100 Base-T)  Protocol	Mirror		Off, On
Compression G.711a, G.711Mu, AAC, G.726, PCM  Network  Ethernet RJ-45 (10/100 Base-T)  Protocol Protocol Protocol RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDN QoS, UPNP, NTP, Multicast, ICMP, IGMP, NFS, PPPOE, 802.1x, SNMP  Interoperability ONVIF Profile S and G, CGI, Milestone, Genetec, Auto Register Support  Self-adaptive Scene Support  Streaming Method Unicast / Multicast  Maximum User Access 20 Users (total bandwidth: 64 Mbps)  Edge Storage Retwork Attached Storage (NAS) FTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer IE (Version 8 and higher), Chrome, Firefox,  Management Software Smart PSS, DSS, DMSS  Mobile Operating System IOS, Android  Certifications  Safety UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:21 + A2:2013 IEC 60950-1:2005 (Second Edition)  ### Compatibility (EMC) ### Compatibility (EMC) ### Compatibility En 55032:2017; EN 50130-4:2011+A1:2014  Interface  Audio Output One (1) Channel, RCA  Input One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (300 mA, 12 VDC)  Electrical	Privacy Masking	3	Off, On (4 Areas, Rectangular)
Network  Ethernet RJ-45 (10/100 Base-T)  Protocol RP4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP, RT RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDN QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPOE, 802.1x, SNMP  Interoperability ONVIF Profile S and G, CGI, Milestone, Genetec, Auto Register Support  Self-adaptive Scene Support  Streaming Method Unicast / Multicast  Maximum User Access 20 Users (total bandwidth: 64 Mbps)  Edge Storage Register Regi	Audio		
Ethernet  RJ-45 (10/100 Base-T)  IPv4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP, RT RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDN QoS, UPPP, NTP, Multicast, ICMP, IGMP, NFS, PPPOE, 802.1x, SNMP  Interoperability  ONVIF Profile S and G, CGI, Milestone, Genetec, Auto Register  Support  Self-adaptive Scene  Support  Streaming Method  Unicast / Multicast  Maximum User Access  20 Users (total bandwidth: 64 Mbps)  Network Attached Storage (NAS) FTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer  IE (Version 8 and higher), Chrome, Firefox,  Management Software  Smart PSS, DSS, DMSS  Mobile Operating System  IOS, Android  Certifications  Safety  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:24 + A2:2013 IEC 60950-1:2005 (Second Edition) IE (SMC)  ### ACCEPTION STORAGE COMPATION OF THE STORAGE COMPATION	Compression		G.711a, G.711Mu, AAC, G.726, PCM
Protocol    Protocol	Network		
Protocol  RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDN. QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, 802.1x, SNMP  Interoperability  ONVIF Profile S and G, CGI, Milestone, Genetec, Auto Register  Support  Streaming Method  Unicast / Multicast  Maximum User Access  20 Users (total bandwidth: 64 Mbps)  Edge Storage  RTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer  IE (Version 8 and higher), Chrome, Firefox, Management Software  Smart PSS, DSS, DMSS  Mobile Operating System  IOS, Android  Certifications  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:24 + A2:2013 IEC 60950-1:2005 (Second Edition)  47 CFR FCC Part 15, Subpart B, Class B EN 55032:2015, Class B, EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2014  Interface  Audio  Input  One (1) Channel, RCA plus a Built-in Microphone Output  One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (300 mA, 12 VDC)  Electrical	Ethernet		RJ-45 (10/100 Base-T)
Auto Register  Self-adaptive Scene Support  Streaming Method Unicast / Multicast  Maximum User Access 20 Users (total bandwidth: 64 Mbps)  Redge Storage Red	Protocol		
Self-adaptive Scene Support  Streaming Method Unicast / Multicast  Maximum User Access 20 Users (total bandwidth: 64 Mbps)  Redge Storage Network Attached Storage (NAS) FTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer IE (Version 8 and higher), Chrome, Firefox,  Management Software Smart PSS, DSS, DMSS  Mobile Operating System IOS, Android  Certifications  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:24 + A2:2013 IEC 60950-1:2005 (Second Edition)  Electromagnetic Compatibility (EMC) 47 CFR FCC Part 15, Subpart B, Class B EN 55032:2015, Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2014  Interface  Audio Output One (1) Channel, RCA plus a Built-in Microphone Output One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC) Output One (1) Channel (300 mA, 12 VDC)  Electrical	Interoperability	,	ONVIF Profile S and G, CGI, Milestone, Genetec, P2
Streaming Method  Maximum User Access  20 Users (total bandwidth: 64 Mbps)  Network Attached Storage (NAS) FTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer  IE (Version 8 and higher), Chrome, Firefox,  Management Software  Smart PSS, DSS, DMSS  Mobile Operating System  IOS, Android  Certifications  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2 + A2:2013 IEC 60950-1:2005 (Second Edition)  47 CFR FCC Part 15, Subpart B, Class B EN 55032:2015, Class B, EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2014  Interface  Audio  Input  One (1) Channel, RCA plus a Built-in Microphone Output  One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (300 mA, 12 VDC)  Electrical	Auto Register		Support
Maximum User Access  20 Users (total bandwidth: 64 Mbps)  Redge Storage  Network Attached Storage (NAS) FTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer  IE (Version 8 and higher), Chrome, Firefox,  Management Software  Smart PSS, DSS, DMSS  Mobile Operating System  IOS, Android  Certifications  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2 + A2:2013 IEC 60950-1:2005 (Second Edition)  Electromagnetic Compatibility (EMC)  FYREM COMPANY OF THE NOTION OF	Self-adaptive Sc	cene	Support
Edge Storage  Network Attached Storage (NAS) FTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer  IE (Version 8 and higher), Chrome, Firefox,  Management Software  Smart PSS, DSS, DMSS  Mobile Operating System  IOS, Android  Certifications  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:24 + A2:2013 IEC 60950-1:2005 (Second Edition)  47 CFR FCC Part 15, Subpart B, Class B EN 55032:2015, Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2014  Interface  Audio  Input One (1) Channel, RCA plus a Built-in Microphone Output One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (300 mA, 12 VDC)  Electrical	Streaming Meth	nod	Unicast / Multicast
Edge Storage  FTP, SFTP, Micro SD Card Slot, maximum 256 GB  Web Viewer  IE (Version 8 and higher), Chrome, Firefox,  Management Software  Smart PSS, DSS, DMSS  Mobile Operating System  IOS, Android  Certifications  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2 + A2:2013 IEC 60950-1:2005 (Second Edition)  Electromagnetic Compatibility (EMC)  Electromagnetic Compatibility (EMC)  Interface  Audio  Input  One (1) Channel, RCA plus a Built-in Microphone Output  One (1) Channel, RCA  Input  One (1) Channel (5 mA, 3 to 5 VDC)  Output  One (1) Channel (300 mA, 12 VDC)  Electrical	Maximum User	Access	20 Users (total bandwidth: 64 Mbps)
Management Software         Smart PSS, DSS, DMSS           Mobile Operating System         IOS, Android           Certifications         UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2013 IEC 60950-1:2005 (Second Edition)           Electromagnetic Compatibility (EMC)         47 CFR FCC Part 15, Subpart B, Class B EN 55032:2015, Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2015; EN 55035:2017; EN 50130-4:2011+A1:2014           Interface         Input One (1) Channel, RCA plus a Built-in Microphone Output One (1) Channel, RCA           Alarm         Input One (1) Channel (5 mA, 3 to 5 VDC)           Output One (1) Channel (300 mA, 12 VDC)	Edge Storage		FTP, SFTP,
Mobile Operating System         IOS, Android           Certifications         UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:21 + A2:2013 IEC 60950-1:2005 (Second Edition)           Electromagnetic Compatibility (EMC)         47 CFR FCC Part 15, Subpart B, Class B EN 55032:2015, Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2015; EN 55035:2017; EN 50130-4:2011+A1:2014           Interface         Input One (1) Channel, RCA plus a Built-in Microphone Output One (1) Channel, RCA           Alarm         Input One (1) Channel (5 mA, 3 to 5 VDC)           Output One (1) Channel (300 mA, 12 VDC)	Web Viewer		IE (Version 8 and higher), Chrome, Firefox,
Certifications  UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2 + A2:2013 IEC 60950-1:2005 (Second Edition)  47 CFR FCC Part 15, Subpart B, Class B EN 55032:2015, Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2015; EN 55035:2017; EN 50130-4:2011+A1:2014  Interface  Audio  Unput One (1) Channel, RCA plus a Built-in Microphone Output One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (300 mA, 12 VDC)  Electrical	Management So	oftware	Smart PSS, DSS, DMSS
UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07	Mobile Operation	ng System	IOS, Android
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2013   IEC 60950-1:2005 (Second Edition)	Certification	ıs	
Electromagnetic Compatibility (EMC)  EN 55032:2015, Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2015; EN 55035:2017; EN 55035:2017; EN 50130-4:2011+A1:2014  Interface  Audio  Input One (1) Channel, RCA plus a Built-in Microphone Output One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (300 mA, 12 VDC)  Electrical	Safety		EN 60950-1:2006 + A11:2009 + A1:2010 + A12:201 + A2:2013
Audio    Input   One (1) Channel, RCA plus a Built-in Microphone			EN 55032:2015, Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010+A1:2015;
Audio Output One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (300 mA, 12 VDC)  Electrical	Interface		
Output One (1) Channel, RCA  Input One (1) Channel (5 mA, 3 to 5 VDC)  Output One (1) Channel (300 mA, 12 VDC)  Electrical		Input	One (1) Channel, RCA plus a Built-in Microphone
Alarm Output One (1) Channel (300 mA, 12 VDC)  Electrical	Audio	Output	One (1) Channel, RCA
Output One (1) Channel (300 mA, 12 VDC)  Electrical		Input	One (1) Channel (5 mA, 3 to 5 VDC)
	Alarm	Output	One (1) Channel (300 mA, 12 VDC)
Power Supply 12 VDC or PoE (IEEE 802.3af, Class 0)	Electrical		
	Power Supply		12 VDC or PoE (IEEE 802.3af, Class 0)
Power Consumption < 5.4 W	Power Consumption		< 5.4 W

Auto, Natural, Street Lamp, Outdoor, Manual, Regional Custom

Auto, Manual, Shutter Priority, Gain Priority

3D DNR

White Balance
Gain Control

Noise Reduction

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 classifications.

#### Environmental

Operating Conditions	$-40^{\circ}$ C to +60° C ( $-40^{\circ}$ F to +140° F), Less than 95% RH
Storage Conditions	-40° C to +60° C (-40° F to +140° F)
Ingress Protection	IP67

#### Construction

Casing	Metal
Dimensions	192.70 mm x 70.50 x 66.40 mm (7.59 in. x 2.77 in. x 2.61 in.)
Net Weight	0.59 kg (1.30 lb)
Gross Weight	0.78 kg (1.72 lb)

# Analytics+ Functions

Perimeter Protection	Detects human or vehicle violations using the following methods: Tripwire: a target crosses a defined line. Intrusion: a target enters or exits a defined perimeter. Monitors a combination of ten (10) detection methods. Search and retrieve video based on target type.
Smart Motion Detection <sup>2</sup>	<ul> <li>Differentiates between and classifies human and vehicle objects.</li> <li>Filters false alarms due to leaves, lights, animals, and other inconsequential objects.</li> <li>Extracts human or vehicle objects from recorded video for quick target search and retrieval.</li> </ul>

# Intelligent Video System Functions

Scene Change

IVS triggers an alarm a	nd takes a defined action	for the following events:
ivo tiiggeis all alailli a	nu takes a denned action	TOT THE TOHOWING EVENTS.

Standard Features	<ul> <li>Tampering with the camera.</li> <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> <li>IP Address Conflict</li> </ul>
Premium Features	
Motion	An object moves through any part of the scene.

Pair a Smart Motion Detection camera with a Dahua recording device that also offers SMD functionality to take advantage of SMD alarm filtering and object classification when searching and playing back recorded video.

A person or object moves the camera to change the

scene or covers the camera to obscure the scene.

Ordering Information			
Туре	Part Number	Description	
4 MP Camera	N43AB52	4 MP Starlight Fixed Lens Bullet Camera with Smart Motion Detection	
	PFA130-E	Junction Box	
Accessories,	PFA151	Corner Mount	
optional	PFA152-E	Pole Mount (Use with PFA130-E Junction Box)	
	DH-PFM321D-US	12 VDC, 1 A Power Adapter	

### **Accessories**

#### Optional:









PFA130-E Junction Box

PFA151 Corner Mount

PFA152-E Pole Mount

DH-PFM321D-US 12 VDC, 1 A Power Adapter

Pole Mount	Junction Box
PFA130-E+PFA152-E	PFA130-E

#### **Dimensions**





