

# DH-IPC-PFW8800-A180

4x2MP Multi-Lens Panoramic Network IR Bullet Camera



- · Four 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · H.265/H.264 triple-stream encoding
- · Max 25fps@4096x1800
- · Support 180-degree panoramic view
- · Day/Night(ICR), 3DNR, AWB, AGC, BLC
- · Smart detection
- · Intelligent Function
- · Max. IR LEDs length 30m
- . Micro SD memory, IP67, IK10, PoE+













# **System Overview**

The multi-Lens camera provides added flexibility for capturing wide area video surveillance. With four 2MP sensors working in tandem to create a comprehensive 180-degree overview, the camera can replace multiple single-sensor cameras providing a higher return on investment. With the field of view being divided across the four sensors, adjustments can be made to each sensor for contrast and brightness, resulting in a crystal-clear panorama.

#### **Functions**

#### True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

#### Starlight Technology

Featured with Dahua Starlight Technology, the camera is ideal for applications with challenging light conditions. Its low light performance delivers usable video with minimal ambient light. Even in extreme low light conditions, Starlight Technology is capable of delivering color images in nearly complete darkness.

#### Intelligent Video System (IVS)

Dahua camera is equipped with a built-in intelligent analytic algorithm based on video, which can realize intelligent functions like Tripwire, Intrusion, Abandoned, Missing and so on, to quickly and accurately respond to monitoring events in specific area. It can enhance monitoring efficiency. At the same time, the camera can support face detection, which can quickly capture a face and upload the image to server. In addition, the camera supports intelligent tamper detection, which is to generate warning message via detecting dramatic scene change and to guarantee effective video surveillance.

#### Smart IR

With IR illumination, detailed images can be captured in low light or

total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

#### Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

#### Protection (IP67, IK10, wide voltage)

Supporting  $\pm 25\%$  input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.IP67 is supported by the camera, which makes it suitable for both indoor and outdoor environments. IK10 compliance enables the camera to sustain the equivalent of 55 kg (120lbs) force.

#### Environmental

Standard Dahua camera can function from-30°C to +60°C(-22 °F to +140 °F) with 95% humility, meanwhile some models support heater module optional which allows the camera to function from-40°Cto +60°C (-40 °F to +140 °F). With a temperature range of-40 °C to +60 °C, the camera is designed for extreme temperature environments.



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Technical Specification						Day/Night	Auto(ICR) / Color / B/W
Camera						BLC Mode	BLC/HLC/DWDR
Image Sensor	Four 1/2.8" 2Megapixel progressive scan CMOS					White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Effective Pixels	4096(H)x1800(V)					Gain Control	Auto/Manual
RAM/ROM	1024MB/128MB					Noise Reduction	3D DNR
Scanning System	Progressive					Motion Detetion	Off / On (4 Zone, Rectangle)
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s					Region of Interest	Off / On (4 Zone)
Minimum Illumination	0.007Lux/F2.0( Color,1/3s,30IRE) 0.05Lux/F2.0( Color,1/30s,30IRE) 0Lux/F2.0(IR on)					Electronic Image Stabilization(EIS)	N/A
S/N Ratio	More than 50dB					Smart IR	Support
IR Distance	Distance up to 30m(98ft)					Defog	N/A
IR On/Off Control	Auto/ Manual					Digital Zoom	16x
IR LEDs	8					Flip	N/A
Lens						Mirror	N/A
Lens Type	Fixed				Privacy Masking	Off / On (4 Area, Rectangle)	
Mount Type	Board-in					Audio	
					Compression	G.711a/G.711Mu/AAC/ G.726	
Focal Length	3.0mm					Network	
Max. Aperture	F2.0					Ethernet	RJ-45 (100/1000Base-T)
Angle of View Optical Zoom	H: 180°, V:80° N/A					Protocol	HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP;DHC P;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjour ;802.1x;Multicast;ICMP;IGMP;SMMP
Focus Control	Fixed					Interoperability	ONVIF, PSIA, CGI
Close Focus Distance	N/A					Streaming Method	Unicast / Multicast
	Detect C	Observe	Recognize	Identify			
DORI Distance	41m(135ft) 1	L6m(53ft)	8m(26ft)	4m(13ft)		Max. User Access	10 Users/20 Users
Pan/Tilt/Rotation					Edge Storage	NAS Local PC for instant recording Mirco SD card 128GB	
Pan/Tilt/Rotation Range	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°					Web Viewer	IE, Chrome, Firefox, Safari
Intelligence						Management Software	Smart PSS, DSS, Easy4ip
IVS (optional)	Tripwire, Intrusion, Object Abandoned/Missing					Smart Phone	IOS, Android
Advanced Intelligent Functions	Face Detection	Face Detection, People Counting, Heat Map, E-PTZ				Certifications	
Video Compression	H 265+/H 265/					Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B
	H.265+/H.265/H.264+/H.264					Interface	rec. recruit 15 Subpuit B
Streaming Capability	3 Streams					Video Interface	1 Port(For adjustment only)
Resolution	4096×1800/3840×1680/2880×1264/ /1920x832/1280x560/1024X452				Audio Interface	1/1 channel In/Out	
Frame Rate	Main Stream: 4096x1800 (1~25fps)					RS485	N/A
	Sub Stream: 1024X452 (1 ~ 25/30fps)					Alarm	2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC
	Third Stream: 1920x832 (1 ~ 25/30fps)					Electrical	
Bit Rate Control	CBR/VBR					Power Supply	AC24V, PoE+ (802.3at)(Class 4)
Bit Rate	H.265: 9Kbps~ 9472Kbps H.264: 24Kbps~ 15616Kbps					Power Consumption	<25.5W

Environmental				
Operating Conditions	-40° C $^{\sim}$ +60° C (-40° F $^{\sim}$ +140° F) / Less than 95% RH			
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Ingress Protection	IP67			
Vandal Resistance	IK10			

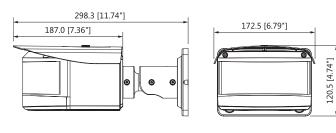
#### Construction

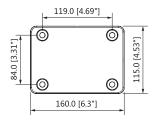
Casing	Metal
Dimensions	298.3mm×172.5mm×120.5mm (11.74"×6.79"×4.74")
Net Weight	2.7kg(5.95lb)
Gross Weight	3.61kg(7.96lb)

Ordering Information				
Туре	Part Number	Description		
4x2MP camera	DH-IPC- PFW8800P-A180	4x2MP Multi-Lens Panoramic Network IR Bullet Camera, PAL		
	DH-IPC- PFW8800N-A180	4x2MP Multi-Lens Panoramic Network IR Bullet Camera,NTSC		
	IPC- PFW8800P-A180	4x2MP Multi-Lens Panoramic Network IR Bullet Camera, PAL		
	IPC- PFW8800N-A180	4x2MP Multi-Lens Panoramic Network IR Bullet Camera,NTSC		
Accessories (optional)	PFA120	Juntion Box		
	PFA150	Pole mount		
	PFA151	Corner mount		

# **Wall Mount Pole Mount** PFA120 + PFA150 PFA120 **Corner Mount** PFA120+ PFA151

# Dimensions (mm/inch)





## **Accessories**

# **Optional:**



Juntion Box











PFA151 Corner mount

