

## DH-IPC-PFW8601-A180

#### 3x2MP Multi-Sensor Panoramic Network IR Bullet Camera



- · Three 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · H.265/H.264 triple-stream encoding
- · Max 25/30fps@4096x832
- · Support 180-degree panoramic view
- · Day/Night(ICR), 3DNR, AWB, AGC, BLC,WDR
- · Smart detection
- · Intelligent Function
- · Max. IR LEDs length 30m
- . Micro SD memory, IP67, IK10,PoE+















#### **System Overview**

The multi-sensor camera provides added flexibility for capturing wide area video surveillance. With three 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. The multi-sensor camera features contrast, backlight compensation, white balance, and resolution control to create a crystal-clear image even in the most challenging lighting conditions.

#### **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.

#### Wide Dynamic Range

Embeded with industry leading wide dynamic range (WDR) technology, vivid picutures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

#### 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. 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).

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

Supporting ±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.



Technical Specification					Day/Night	Auto(ICR) / Color / B/W
Camera					BLC Mode	BLC / HLC / WDR(120dB)
Image Sensor	Three 1/2.8" 2Megapixel progressive scan CMOS				White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Effective Pixels	4096(H)x832(V)				Gain Control	Auto/Manual
RAM/ROM	1024MB/128	ВМВ			Noise Reduction	3D DNR
Scanning System	Progressive				Motion Detetion	Off / On (4 Zone, Rectangle)
Electronic Shutter Speed	Auto/Manua	ıl, 1/3~1/100	000s		Region of Interest	Off / On (4 Zone)
Minimum Illumination	0.007Lux/F1.8( Color,1/3s,30IRE) 0.05Lux/F1.8( Color,1/30s,30IRE) 0.Uux/F1.8(IR on)				Electronic Image Stabilization(EIS)	N/A
S/N Ratio	More than 5	OdB			Smart IR	Support
IR Distance	Distance up	to 30m(98ft)			Defog	N/A
IR On/Off Control	Auto/ Manua	al			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	
Focal Length	3.6mm				Compression	G.711a/G.711Mu/AAC/ G.726
Max. Aperture	5.6mm				Network	
Angle of View		٥			Ethernet	RJ-45 (100/1000Base-T)
Optical Zoom	H: 180°, V:44°				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;SNMP
Focus Control	N/A					
	Fixed				Interoperability	ONVIF, PSIA, CGI
Close Focus Distance	N/A	01	Di	1-1	Streaming Method	Unicast / Multicast
DORI Distance	Detect	Observe	Recognize	Identify	Max. User Access	10 Users/20 Users
Pan/Tilt/Rotation	52m(171ft)	21m(69ft)	10m(33ft)	5m(16ft)	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	gence				Management Software	Smart PSS, DSS, Easy4ip
IVS	Tripwire, Intr	rusion, Objec	t Abandoned,	/Missing	Smart Phone	IOS, Android
Advanced Intelligent Functions	Heat Map, E-	-PTZ			Certifications	
Video Compression	H.265+/H.26	55/H.264+/H.	264		Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B
Streaming Capability	3 Streams				Interface	rec. rec rait 19 Subpart B
	4006~022/2	840×780/256	50vE20/		Video Interface	1 Port(For adjustment only)
Resolution	1280x260/10		30×320/		Audio Interface	1/1 channel In/Out
Frame Rate	Main Stream	ı: 4096x832(1	L~25/30fps)		RS485	N/A
	Sub Stream:	1024X208 (1	~ 25/30fps)			2 channel In: 5mA 5VDC
	Third Stream	n: 1280x260 (	1 ~ 25/30fps)		Alarm	1 channel Out: 1A 30VDC / 0.5A 50VAC
Bit Rate Control	CBR/VBR				Electrical	
Bit Rate	H.265: 4Kbps				Power Supply	AC24V, PoE+ (802.3at)(Class 4)
	H.264: 8Kbps~ 16Mbps				Power Consumption	<23W

### Panoramic Series | DH-IPC-PFW8601-A180

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			

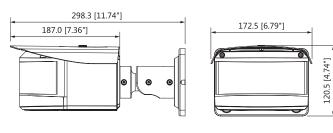
#### Construction

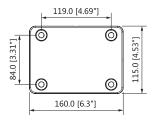
Casing	Metal
Dimensions	298.3mm×172.5mm×120.5mm (11.74"×6.79"×4.74")
Net Weight	2.60kg(5.73lb)
Gross Weight	3.41 kg(7.52lb)

Ordering Information					
Туре	Part Number	Description			
3x2MP camera	DH-IPC- PFW8601P-A180	3x2MP Multi-Sensor Panoramic Network IR Bullet Camera,WDR, PAL			
	DH-IPC- PFW8601N-A180	3x2MP Multi-Sensor Panoramic Network IR Bullet Camera,WDR,NTSC			
	IPC- PFW8601P-A180	3x2MP Multi-Sensor Panoramic Network IR Bullet Camera,WDR, PAL			
	IPC- PFW8601N-A180	3x2MP Multi-Sensor Panoramic Network IR Bullet Camera,WDR,NTSC			
Accessories (optional)	PFA120	Juntion Box			
	PFA120+PFA150	Pole mount			
	PFA120+PFA151	Corner mount			

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

#### Dimensions (mm/inch)





#### **Accessories**

#### **Optional:**









Juntion Box

Pole mount

PFA151 Corner mount

