

DH-IPC-HFW1230S

2MP IR Mini-Bullet Network Camera

www.PadVokam.by



- 1/2.7" 2Megapixel progressive CMOS
- H.265& H.264 dual-stream encoding
- 25/30fps@1080P(1920×1080)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.8 mm fixed lens (3.6mm optional)
- Max IR LEDs Length 30m
- IP67, PoE



System Overview

The IR Megapixel Fixed camera delivers 2MP resolution with a motorized 2.8mm/3.6mm fixed lens. The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

Smart Codec (H.265+ & H.264+)

Smart Codec is the optimized implementation of standard video compression (H.265 & H.264) 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 Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

Intelligent Video Analysis (IVS)

Dahua camera is equipped with a built-in intelligent analytic algorithm based on video, which can realize intelligent functions like Tripwire and Intrusion, 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 Technology

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, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67), the camera is the choice for installation in even the most unforgiving environments.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$) with 95% humidity.

Image Flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.



Technical Specification						Day/Night		Auto(ICR) / Color / B/W	
Camera						BLC Mode		BLC / HLC / DWDR	
Image Sensor		1/2.7" 2Megapixel progressive CMOS				White Balance		Auto/Natural/Street Lamp/Outdoor/Manual	
Effective Pixels		1920(H) x1080(V)				Gain Control		Auto/Manual	
RAM/ROM		256MB/32MB				Noise Reduction		3D DNR	
Scanning System		Progressive				Motion Detection		Off / On (4 Zone, Rectangle)	
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s				Region of Interest		Off / On (4 Zone)	
Minimum Illumination		0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)				Electronic Image		Support	
S/N Ratio		More than 50dB				Smart IR		Support	
IR Distance		Distance up to 30m(98ft)				Digital Zoom		16x	
IR On/Off Control		Auto/ Manual				Flip		0°/90°/180°/270°	
IR LEDs		18				Mirror		Off / On	
Lens						Privacy Masking		Off / On (4 Area, Rectangle)	
Lens Type		Fixed				Audio			
Mount Type		Board-in				Compression		N/A	
Focal Length		2.8 mm (3.6 mm optional)				Network			
Max. Aperture		F2.0/F2.0				Ethernet		RJ-45 (10/100Base-T)	
Angle of View		H:104°/92°,V:55°/50°				Protocol		HTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPPoE;IPv4/v6;QoS;UPnP; NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP; TLS	
Focus Control		Fixed				Interoperability		ONVIF Profile S&G, API	
Close Focus Distance		0.6m(0.9m)				Streaming Method		Unicast / Multicast	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Max. User Access		10 Users / 20 Users	
	2.8 mm	40(131ft)	16(52ft)	8(26ft)	4(13ft)	Edge Storage		NAS Local PC for instant recording	
	3.6 mm	53(174ft)	21(69ft)	11(36ft)	5(16ft)	Web Viewer		IE, Chrome, Firefox, Safari	
PTZ						Management Software		Smart PSS, DSS, DMSS	
Pan/Tilt Range		Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360°				Smart Phone		IOS, Android	
Intelligence						Certifications			
Event Trigger		Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal access, Storage anomaly				Certifications		CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B	
IVS		Tripwire, Intrusion				Interface			
Video						Video Interface		N/A	
Compression		H.265/H.264H/MJPEG(Sub Stream)				Audio Interface		N/A	
Smart Codec		Support H.265+/H.264+				RS485		N/A	
Streaming Capability		2 Streams				Alarm		N/A	
Resolution		1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240)				Electrical			
Frame Rate		Main Stream: 1080P(1 ~ 25/30fps)				Power Supply		DC12V, PoE (802.3af)(Class 0)	
		Sub Stream: D1(1 ~ 25/30fps)				Power Consumption		<5.5W	
Bit Rate Control		CBR/VBR							
Bit Rate		H.265: 12K ~ 6400Kbps H.264: 32K ~ 10240Kbps							

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

Construction

Casing	Metal+Plastic
Dimensions	Φ70mm×164.7mm(2.76"x6.49")
Net Weight	0.38Kg(0.84lb)
Gross Weight	0.44Kg(0.97lb)

Ordering Information

Type	Part Number	Description
2MP camera	DH-IPC-HFW1230SP-0280B	2MP IR Mini-Bullet Network Camera, 2.8mm,PAL
	DH-IPC-HFW1230SN-0280B	2MP IR Mini-Bullet Network Camera, 2.8mm,NTSC
	IPC-HFW1230SP-0280B	2MP IR Mini-Bullet Network Camera, 2.8mm,PAL
	IPC-HFW1230SN-0280B	2MP IR Mini-Bullet Network Camera, 2.8mm, NTSC
	DH-IPC-HFW1230SP-0360B	2MP IR Mini-Bullet Network Camera, 3.6mm,PAL
	DH-IPC-HFW1230SN-0360B	2MP IR Mini-Bullet Network Camera, 3.6mm,NTSC
	IPC-HFW1230SP-0360B	2MP IR Mini-Bullet Network Camera, 3.6mm,PAL
	IPC-HFW1230SN-0360B	2MP IR Mini-Bullet Network Camera, 3.6mm,NTSC
Accessories (optional)	PFA134	Junction box
	PFA152-E	Pole mount
	PFA151	Corner mount

Accessories

Optional:



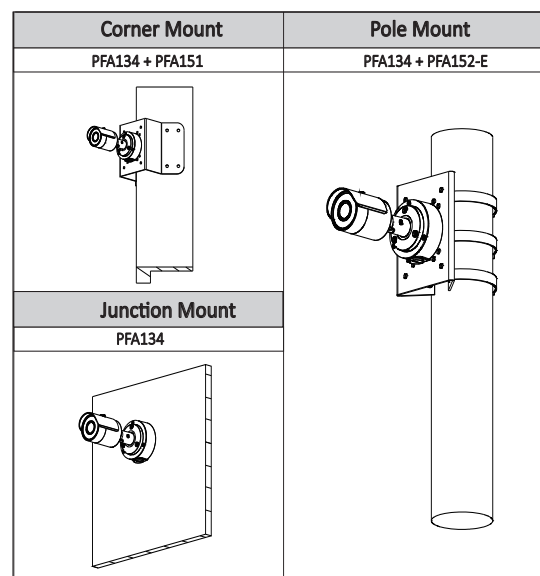
PFA134
Junction Box



PFA152-E
Pole mount



PFA151
Corner mount



Dimensions (mm/inch)

