

DH-IPC-HFW1239DTP-4G-IL

2MP Entry Dual Illumination Fixed-focal 4G Bullet Network Camera



- 2-MP 1/2.8" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 2 MP (1920 × 1080)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light and IR LED, the max. IR light distance is 30 m and max. warm light distance is 30 m.
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Supports max. 256 G Micro SD card; built in Mic and speaker.
- 12 VDC power supply.
- IP67 protection.
- Supports 4G.

Series Overview

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry series network camera is applicable to small and medium-sized scenes, such as homes/ residences, small-sized retail stores, and other small and medium-sized enterprises.

Functions

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Motion Detection

When moving objects appear in the monitoring image, Dahua Motion Detection technology triggers alarm or records.

WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Day/Night

Dahua Day/Night function provides color image when illumination is adequate; when illuminance is inadequate, it switches night mode and provides white and black image. It can guarantee that the network camera can work normally when illuminance changes.

Two-way Talk

With its built-in high-sensitivity microphone and high-power speaker, the camera realizes two-way talk through the mobile app.



Smart Illumination

Dahua Smart Illumination technology can display image in the environment of low illuminance or completely dark environment. According to the distance of the targets, the camera adjusts Illuminations intensity automatically to display the details of the moving target.

Cyber Security

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

4G

With a built-in high-performance 4G mobile network module, the camera can be directly registered to cloud platforms after a 4G SIM card has been inserted into it. It can be installed anywhere without the hassle of network cables. Users can perform real-time monitoring and remote control of the camera from a mobile client through 4G network.

Entry Series | DH-IPC-HFW1239DTP-4G-IL

Technical Specification

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Camera					
Image Senso	r	1/2.8" CMOS			
Max. Resolution		1920 (H) × 1080 (V)			
ROM		128 MB			
RAM		128 MB			
Scanning Sys	tem	Progressive			
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s			
Min. Illumination		0.005 lux@F1.6(Color,30 IRE) 0.0005 lux@F1.6(B/W,30 IRE) 0 lux (Illuminator on)			
S/N Ratio		> 56 dB			
Illumination Distance		Up to 30 m (98.43 ft) (IR) Up to 30 m (98.43 ft) (Warm light)			
Illuminator On/Off Control		Auto; Manual			
Illuminator Number		2 (IR LED); 2 (Warm light)			
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°			
Lens					
Lens Type		Fixed-focal			
Lens Mount		M12			
Focal Length		2.8 mm;3.6 mm			
Max. Aperture		F1.6			
Field of View		2.8 mm: H: 108°; V: 58°; D: 127° 3.6 mm: H: 82°; V: 42°; D: 99°			
Iris Control		Fixed			
Close Focus Distance		2.8 mm: 0.7 m (2.30 ft) 3.6 mm: 1.3m (4.27 ft)			
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	44.2 m (140.01 ft)	16.9 m (55.45 ft)	8.4 m (27.56 ft)	4.2 m (13.78 ft)
	2.8 mm	59.6 m (195.54 ft)	23.8 m (78.09 ft)	11.9 m (39.04 ft)	6.0 m (19.69 ft)
Video					
Video Compression		H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)			
Smart Codec		Smart H.265+; Smart H.264+			
Video Frame Rate		Main stream: 1920 × 1080@(1–25/30 fps) Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.			
Stream Capability		2 streams			
Resolution		1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)			
Bit Rate Control		CBR/VBR			

Video Bit RateI.265: 12 kbps-6144 kbpsDay/NightAuto(ICR)/Color/B/WBLCVesHLCWo RWIDRWUDRWithe BalanceJultz; natural; street lamp; outdoor; manual; regional customMithe BalanceD NRMotion DetectionOF//ON (4 areas, rectangular)Region of Interest (RO)Yes (4 areas)MirorVes (4 areas)MirorVes (4 areas)MirorVes (4 areas)MirorVes (4 areas)MirorVes (4 areas)AudioYes (1 areas)MirorVes (1 areas)AudioSome and lower)MirorVes (1 areas)AudioSome and lower)Mution DetectionSome and lower)Audio CompressionG.71116.711MU; PCM; G.726Audio CompressionSoS Card; SD Card full; SD Card error; network disconnection; IP conflict; illegal access; motion detection; video tampering, voltage detection; SMD tuman); security exceptionNetwork ProtocolSoS Card; SD Card full; SD Card error; network som and invertion; PC conflict; illegal access; motion detection; video tampering, voltage detection; SMD tuman); security exceptionNetwork ProtocolNOF (Profles; Profle T; CG; UDP; ARP; RTP; RTP; PC (PC) DMS; DDS); DDS)				
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AlarmAlarm EventNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; voltage detection; SMD (human); security exceptionNetworkRJ-45 (10/100 Base-T)Network PortRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolIPV4; IPV6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QOS; UPPP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BoujourInteroperabilityONVIF (Profile S; Profile G; Profile T); CGIUser/Host20 (Total bandwidth: 48 M)StorageFTP; SFTP; Micro SD card (support max. 256 GB); NASBrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSQvber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; sysleg; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-EMC; Electromagnetic Compatibility Directive 2014/30/EU	Built-in Speaker	Yes		
Alarm EventNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; voltage detection; SMD (human); security exceptionNetworkRI-45 (10/100 Base-T)Network PortRI-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPPP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BoujourInteroperabilityONVIF (Profile S; Profile G; Profile T); CGIUser/Host20 (Total bandwidth: 48 M)StorageFTP; SFTP; Micro SD card (support max. 256 GB); NASBrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSQubic ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Audio Compression	G.711a; G.711Mu; PCM; G.726		
Alarm Eventdisconnection; IP conflict; illegal access; motion detection; video tampering; voltage detection; SMD (human); security exceptionNetworkRJ-45 (10/100 Base-T)Network PortRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolDiv4; IPV6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPNP; NTP; Multicast; ICMP; IGMP; NFS; PPP0E; BoujourInteroperabilityONVIF (Profile S; Profile G; Profile T); CGIUser/Host20 (Total bandwidth: 48 M)BrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-E-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Alarm			
Network PortRJ-45 (10/100 Base-T)SDK and APIYesNetwork ProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QQS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BoujourInteroperabilityONVIF (Profile S; Profile G; Profile T); CGIUser/Host20 (Total bandwidth: 48 M)StorageFTP; SFTP; Micro SD card (support max. 256 GB); NASBrowserIE: IE7; Chrome; FirefoxMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Alarm Event	disconnection; IP conflict; illegal access; motion detection; video tampering; voltage detection; SMD		
SDK and APIYesNetwork ProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BoujourInteroperabilityONVIF (Profile S; Profile G; Profile T); CGIUser/Host20 (Total bandwidth: 48 M)StorageFTP; SFTP; Micro SD card (support max. 256 GB); NASBrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Network			
Network ProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BoujourInteroperabilityONVIF (Profile S; Profile G; Profile T); CGIUser/Host20 (Total bandwidth: 48 M)StorageFTP; SFTP; Micro SD card (support max. 256 GB); NASBrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Network Port	RJ-45 (10/100 Base-T)		
Network ProtocolSMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPDE; BoujourInteroperabilityONVIF (Profile S; Profile G; Profile T); CGIUser/Host20 (Total bandwidth: 48 M)StorageFTP; SFTP; Micro SD card (support max. 256 GB); NASBrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering, HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCerture IN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	SDK and API	Yes		
User/Host20 (Total bandwidth: 48 M)StorageFTP; SFTP; Micro SD card (support max. 256 GB); NASBrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Network Protocol	SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP;		
StorageFTP; SFTP; Micro SD card (support max. 256 GB); NASBrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCertVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Interoperability	ONVIF (Profile S; Profile G; Profile T); CGI		
BrowserIE: IE7; Chrome; FirefoxManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	User/Host	20 (Total bandwidth: 48 M)		
AnalysisManagement SoftwareSmartPSS Lite; DSS; DMSSMobile ClientiOS; AndroidCyber SecurityConfiguration encryption; trusted executior; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationsCE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS		
Mobile Client iOS; Android iOS; Android iOS; Android Cyber Security Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification Certifications CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Browser	IE: IE7; Chrome; Firefox		
Cyber Security Configuration encryption; trusted execution; Digest; security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certification Certification CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Management Software	SmartPSS Lite; DSS; DMSS		
Cyber Securitysecurity logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation and importing of X.509 certificationCertificationCE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Mobile Client	iOS; Android		
CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Cyber Security	security logs; WSSE; account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; trusted upgrade; trusted boot; firmware encryption; generation		
Certifications CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU	Certification			
	Certifications	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU		

Entry Series | DH-IPC-HFW1239DTP-4G-IL

Power					
Power Supply	12 VDC				
Power Consumption	Basic: 2.3 W (12 VDC) Max. (H.265 + max. resolution + main stream + WDR + warm light intensity +IVS+4G): 7 W (12 VDC)				
Environment					
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)				
Operating Humidity	≤95%				
Storage Temperature	-30 °C to +60 °C (-22 °F to +140 °F)				
Protection	IP67				
Structure					
Casing Material	Metal + plastic				
Product Dimensions	192.3 mm × 88 mm × 87.3 mm (7.56" × 3.46" × 3.43") (L × W × H)				
Net Weight	0.58 kg (1.28 lb)				
Gross Weight	1.06 kg (2.33 lb)				

Description

2MP Entry Dual Illumination Fixed-

focal 4G Bullet Network Camera

Installation bracket component

12 VDC 1 A Power Adapter

Integrated Mount Tester

MicroSD Memory Card

Ordering Information

Туре 2 MP

Camera

Accessories

Model

PFB120WS

PFM320D

PFM900-E

TF-P100

IL

DH-IPC-HFW1239DTP-4G-

Accessories

Included:

PFB120WS Installation bracket component

Optional:







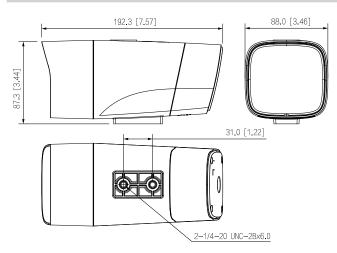
PEM320D 12 VDC 1 A Power Adapter

PFM900-E Integrated Mount Tester

TF-P100 MicroSD Memory Card

Junction Mount	Wall Mount	Pole Mount (Horizontel)	
Pole Mount (Vertical)			

Dimensions (mm[inch])



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