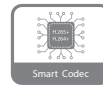


# DH-IPC-HFW1239S1-LED-S5

2MP Lite Full-color Fixed-focal Bullet Network Camera



- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in efficient warm light, and the max. illumination distance is 15 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, illegal access
- 12V DC/PoE power supply
- IP67 protection



## 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.

### Full-color

With high-performance sensor and large aperture lens, Dahua Full-color technology can display clear colorful image in the environment of ultra-low illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

### Motion Detection

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

## Image Flip

For narrow and long scenes, Dahua image flip technology flips the image by 90°/180°/270° to realize better surveillance in rotation mode.

## Cyber Security

Dahua network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

## Protection (IP67, wide voltage)

**IP67:** The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

**Wide voltage:** The camera allows ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification

|                            |                                                                       |
|----------------------------|-----------------------------------------------------------------------|
| Camera                     |                                                                       |
| Image Sensor               | 1/2.8" CMOS                                                           |
| Max. Resolution            | 1920 (H) × 1080 (V)                                                   |
| ROM                        | 16 MB                                                                 |
| RAM                        | 64 MB                                                                 |
| Scanning System            | Progressive                                                           |
| Electronic Shutter Speed   | Auto/Manual 1/3 s–1/100000 s                                          |
| Min. Illumination          | 0.005 Lux @F1.6                                                       |
| S/N Ratio                  | >56 dB                                                                |
| Illumination Distance      | 2.8 mm: 10 m (32.8ft)<br>3.6 mm: 15 m (49.2ft)                        |
| Illuminator On/Off Control | Auto/Manual                                                           |
| Illuminator Number         | 1 (Warm light)                                                        |
| Pan/Tilt/Rotation Range    | Horizontal: 0° to 360°<br>Vertical: 0° to 90°<br>Rotation: 0° to 360° |

| Lens                 |                                                                                                                   |                      |                     |                     |                    |
|----------------------|-------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|---------------------|--------------------|
| Lens Type            | Fixed-focal                                                                                                       |                      |                     |                     |                    |
| Lens Mount           | M12                                                                                                               |                      |                     |                     |                    |
| Focal Length         | 2.8 mm<br>3.6 mm                                                                                                  |                      |                     |                     |                    |
| Max. Aperture        | 2.8 mm: F1.6<br>3.6 mm: F1.6                                                                                      |                      |                     |                     |                    |
| Field of View        | 2.8 mm: Horizontal: 106°; Vertical: 56°; Diagonal: 127°<br>3.6 mm: Horizontal: 88°; Vertical: 46°; Diagonal: 104° |                      |                     |                     |                    |
| Iris Control         | Fixed                                                                                                             |                      |                     |                     |                    |
| Close Focus Distance | 2.8 mm: 0.8 m (2.6 ft)<br>3.6 mm: 1.1 m (3.6 ft)                                                                  |                      |                     |                     |                    |
| DORI Distance        | Lens                                                                                                              | Detect               | Observe             | Recognize           | Identify           |
|                      | 2.8 mm                                                                                                            | 43.9 m<br>(144.0 ft) | 17.5 m<br>(57.4 ft) | 8.8 m<br>( 28.9 ft) | 4.4 m<br>(14.4 ft) |
|                      | 3.6 mm                                                                                                            | 54.8 m<br>(179.8 ft) | 21.9 m<br>(71.9 ft) | 11.0 m<br>(36.1 ft) | 5.5 m<br>(18.0 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:<br>1920 × 1080 (1 fps–25/30 fps)<br>Sub stream:<br>704 × 576 (1 fps–25 fps)<br>704 × 480 (1 fps–30 fps)          |
| 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 Rate           | H.264: 32 kbps–6144 kbps<br>H.265: 12 kbps–6400 kbps                |
| Day/Night                | Color/B/W                                                           |
| BLC                      | Yes                                                                 |
| HLC                      | Yes                                                                 |
| WDR                      | DWDR                                                                |
| White Balance            | Auto/natural/street lamp/outdoor/manual/regional custom             |
| Gain Control             | Auto/Manual                                                         |
| Noise Reduction          | 3D NR                                                               |
| Motion Detection         | OFF/ON (4 areas, rectangular)                                       |
| Region of Interest (RoI) | Yes (4 areas)                                                       |
| Smart Illumination       | Yes                                                                 |
| Image Rotation           | 0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower) |
| Mirror                   | Yes                                                                 |
| Privacy Masking          | 4 areas                                                             |

|             |                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------|
| Alarm       |                                                                                                         |
| Alarm Event | Network disconnection; IP conflict; illegal access; motion detection; video tampering; safety exception |

|                     |                                                                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network             |                                                                                                                                                                                                   |
| Network             | RJ-45 (10/100 Base-T)                                                                                                                                                                             |
| SDK and API         | Yes                                                                                                                                                                                               |
| Cyber Security      | Video encryption;configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade |
| Network Protocol    | IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast                                                                                                                  |
| Interoperability    | ONVIF (Profile S/Profile T); CGI; P2P; Genetec                                                                                                                                                    |
| User/Host           | 6 (Total bandwidth: 36 M)                                                                                                                                                                         |
| Storage             | FTP                                                                                                                                                                                               |
| Browser             | IE<br>Chrome<br>Firefox                                                                                                                                                                           |
| Management Software | Smart PSS; DSS; DMSS                                                                                                                                                                              |
| Mobile Client       | IOS; Android                                                                                                                                                                                      |

|                |                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| Certification  |                                                                                                                       |
| Certifications | CE-LVD: EN62368-1<br>CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU<br>FCC: 47 CFR FCC Part 15, Subpart B |

|                   |                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Power             |                                                                                                                                    |
| Power Supply      | 12V DC/PoE (802.3af)                                                                                                               |
| Power Consumption | Basic power consumption: 1.4W (12V DC); 2.2W (PoE)<br>Max. power consumption (ICR + H.265+IR intensity): 4.2W (12V DC); 5.3W (PoE) |

## Entry Series | DH-IPC-HFW1239S1-LED-S5

### Environment

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Operating Conditions | -40°C to +60°C (-40°F to +140°F)/less than ≤ 95% |
| Storage Temperature  | -40°C to +60°C (-40°F to +140°F)                 |
| Protection           | IP67                                             |

### Structure

|                    |                                  |
|--------------------|----------------------------------|
| Casing             | Metal + plastic                  |
| Product Dimensions | 162.6 mm × Φ70 mm (6.4" × Φ2.8") |
| Net Weight         | 0.22 kg (0.4 lb)                 |
| Gross Weight       | 0.34 kg (0.7 lb)                 |

### Ordering Information

| Type                   | Part Number              | Description                                                 |
|------------------------|--------------------------|-------------------------------------------------------------|
| 2MP Camera             | DH-IPC-HFW1239S1P-LED-S5 | 2MP Lite Full-colour Fixed-focal Bullet Network Camera,PAL  |
|                        | DH-IPC-HFW1239S1N-LED-S5 | 2MP Lite Full-colour Fixed-focal Bullet Network Camera,NTSC |
| Accessories (optional) | PFA134                   | Junction Box                                                |
|                        | PFA152-E                 | Pole Mount                                                  |
|                        | PFM321D                  | DC12V1A Power Adapter                                       |
|                        | LR1002-1ET/1EC           | Single-port Long Reach Ethernet over Coax Extender          |
|                        | PFM900-E                 | Integrated Mount Tester                                     |

### Accessories

#### Optional:



PFA134  
Junction Box



PFA152-E  
Pole Mount



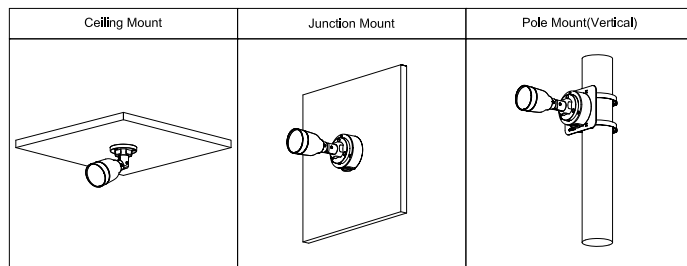
PFM321D  
DC12V1A Power  
Adapter



LR1002-1ET/1EC  
Single-port Long  
Reach Ethernet over  
Coax Extender



PFM900-E  
Integrated Mount  
Tester



### Dimensions (mm[inch])

