

# DH-IPC-B1E40

# 4MP ECO IR Fixed-focal Bullet Network Camera



#### **Series Overview**

The Dahua ECO Series camera is designed with simplicity for practicality. Plug and play, it immediately outputs images when connected to the Dahua NVR. It supports remote monitoring through the Dahua mobile app, and triggers alarms for motion detection, video tampering, and security exception, providing you with a convenient and secure IP service.

#### **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.

#### **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.

- 4-MP 1/3" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2560 × 1440)@30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, and the max. illumination distance is 30 m.
- 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.
- 12 VDC power supply, easy for installation.
- · IP67 protection.











#### Motion Detection

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

#### **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.

#### 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 normally after soaking in 1 m deep water for 30 minutes.

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

Technical Specification								4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1 3M (1300 × 000); 700 (1320 × 730); D4 (704
Camera							Resolution	1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Image Sensor		1/3" CMOS					Bit Rate Control	CBR/VBR
Max. Resolution		2560 (H) × 1440 (V)					Video Bit Rate	H.264: 32 kbps-4096 kbps
ROM		16 MB					Day/Night	H.265: 12 kbps-4096 kbps Auto(ICR)/Color/B/W
RAM		64 MB					BLC	Yes
Scanning System		Progressive					HLC	Yes
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s					WDR	DWDR
Min. Illumination		0.03 lux@F2.2 (Color, 30 IRE) 0.003 lux@F2.2 (B/W,30 IRE) 0 lux (Illuminator on)					White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
S/N Ratio		>56 dB					Gain Control	Auto
Illumination Distance		Up to 30 m (98.43 ft) (IR LED)					Noise Reduction	3D NR
Illuminator On/Off Control		Auto;Manual					Motion Detection	OFF/ON (4 areas, rectangular)
Illuminator Number		2 (IR LED)					Region of Interest (RoI)	Yes (4 areas)
Angle Adjustment		Pan: 0°–360° Tilt: 0°–90°					Smart Illumination	Yes
		Rotation: 0°–360°					Image Rotation	0°/180°
Lens							Mirror	Yes
Lens Type		Fixed-focal					Privacy Masking	4 areas
Lens Mount		M12					Alarm	
Focal Length		2.8 mm; 3.6 mm					Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; security exception
Max. Aperture		F2.2 2.8 mm: H: 90°; V: 49°; D: 106°					Network	
Field of View		3.6 mm: H: 76°; V: 40°; D: 92°					Network Port	RJ-45 (10/100 Base-T)
Iris Control  Close Focus Distance		2.8 mm: 1.0 m (3.28 ft)					Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; P2P
		3.6 mm: 1.4 r		Dooggaige	Idontifu		Interoperability	ONVIF (Profile S; Profile T); CGI
	Lens	Detect 68.0 m	Observe 27.2 m	Recognize 13.6 m	Identify 6.8 m		User/Host	6 (Total bandwidth: 24 M)
	2.8 mm	(223.10 ft)	(89.24 ft)	(44.62 ft)	(22.31 ft)		Storage	FTP
DORI	3.6mm	85.2 m (279.53 ft)	34.1 m (111.88 ft)	17.0 m (55.77 ft)	8.5 m (27.89 ft)		Browser	IE; Chrome; Firefox
Distance		t, Observe, Rec					Management Software	Smart PSS Lite; DSS; DMSS
	distinguish pe	5-4) for defining the ability of a person viewing the video to n persons or objects within a covered area. The numbers in do not reflect intelligent function distances. For intelligent					Mobile Client	iOS;Android
		ances, refer to installation and commissioning manual/					Cyber Security	Configuration encryption; Trusted execution; Digest; Security logs; HTTPS; Trusted upgrade; WSSE; Trusted boot; Account lockout; Generation and importing of X.509 certification; Video encryption
H 265: H 264: H 264R: MIPEG (Only supported by the			rted by the		Power	, , , , , , , , , , , , , , , , , , , ,		
Video Compression		sub stream)					Power Supply	12 VDC/PoE
Smart Codec		Smart H.265+; Smart H.264+  Main stream: 2560 × 1440@(1–25/30 fps) Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps)					Power Consumption	Basic: 1.4 W (12 VDC); 2.1 W (PoE) Max. (ICR switch+illuminator intensity): 3.0 W (12 VDC); 4.2 W (PoE)
Video Frame Rate		*The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected					Environment	
Sharan C. Lilli		to the total encoding capacity.					Operating Temperature	-40 °C to +50 °C (-40 °F to +122 °F)
Stream Capability		2 streams					Operating Humidity	≤95%

Operating Humidity

# ECO Series | DH-IPC-B1E40

Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Storage Humidity	≤95%
Protection	IP67
Characteria	

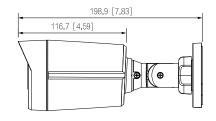
#### Structure

Casing Material	Plastic
Product Dimensions	198.9 mm $\times$ 80.2 mm $\times$ 76.2 mm (7.83" $\times$ 3.16" $\times$ 3.00") (L $\times$ W $\times$ H)
Net Weight	0.25 kg (0.55 lb)
Gross Weight	0.37 kg (0.82 lb)

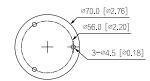
Ordering Information						
Туре	Model	Description				
4MP Camera	DH-IPC-B1E40	4MP ECO IR Fixed-focal Bullet Network Camera				
	PFM321D	12 VDC 1 A Power Adapter				
Accessories	PFM900-E	Integrated Mount Tester				
(Optional)	PFA130-E	Water-proof Junction Box				
	PFA157	Pole Mount Bracket				

# Ceiling Mount Wall Mount Pole Mount(Vertical)

# Dimensions (mm[inch])







### Accessories

## Optional:



PFM321D 12 VDC 1 A Power Adapter



PFM900-E Integrated Mount Tester



PFA130-E Water-proof Junction Box



PFA157 Pole Mount Bracket