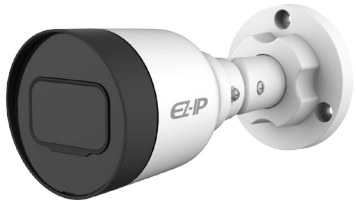


IPC-B1B40

4MP IR Mini-Bullet Network Camera



- 1/3" 4Megapixel progressive CMOS
- H.265+ & H.265 dual-stream encoding
- 20fps@4M(2560×1440) & 25/30fps@3M(2304×1296)
- 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

EZ-IP is perfect for small to medium size applications like home/residential security, small retail shops, and other typical SMB applications. It offers a perfect alternative to migrate from analog to an IP system with its easy to use nature and cost effectiveness.

EZ-IP is fully in line with Dahua's quality. Stable and reliable components are utilized and Various tests such as anti-vibration, water resistance, and aging tests are performed to ensure Dahua quality standards.

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.

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

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDs from whiting 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).

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.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -20° C to +50° C (-4° F to +122° F) with 95% humidity.

Protection (IP67, wide voltage)

The camera allows for ±25% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67) .

Interoperability

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

Technical Specification									
Camera									
Image Sensor		1/3" 4Megapixel progressive CMOS					White Balance		Auto/Natural/Street Lamp/Outdoor/Manual
Effective Pixels		2560(H)x1440(V)					Gain Control		Auto/Manual
RAM/ROM		256MB/16MB					Noise Reduction		3D DNR
Scanning System		Progressive					Motion Detetion		Off / On (4 Zone, Rectangle)
Minimum Illumination		0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)					Region of Interest		Off / On (4 Zone)
S/N Ratio		More than 50dB					Electronic Image Stabilization (EIS)		N/A
IR Distance		Distance up to 30m(98ft)					Smart IR		Support
IR On/Off Control		Auto/ Manual					Digital Zoom		16x
IR LEDs		1					Flip		0°/90°/180°/270°
							Mirror		Off / On
							Privacy Masking		Off / On (4 Area, Rectangle)
Lens							Audio		
Lens Type		Fixed					Compression		N/A
Mount Type		Board-in					Network		
Focal Length		2.8 mm (3.6 mm optional)					Ethernet		RJ-45 (10/100Base-T)
Max. Aperture		F2.0/F2.0					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;T LS;SSH
Angle of View		H:101°/80°, V:54°/44°					Interoperability		ONVIF Profile S&G, API
Focus Control		Fixed					Streaming Method		Unicast / Multicast
Close Focus Distance		0.8m(2.63ft)					Max. User Access		10 Users/20 Users
DORI Distance	Lens	Detect	Observe	Recognize	Identify		Edge Storage		NAS(Network Attached Storage) Local PC for instant recording
	2.8 mm	56m(184ft)	22.4m(73.5ft)	11.2m(36.7ft)	5.6m(18.4ft)		Web Viewer		IE, Chrome, Firefox, Safari
	3.6 mm	80m(262.5ft)	32m(105ft)	16m(52.5ft)	8m(26.3ft)		Management Software		Smart PSS, DSS,DMSS
PTZ							Smart Phone		IOS, Android
Pan/Tilt Range		Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360°					Certifications		
Intelligence							Certifications		CE: (EN 60950:2000) FCC: FCC Part 15 Subpart B
Event Trigger		Motion detection, Video tampering , Network disconnection , Scene change, IP address conflict, Illegal Access,Storage anomaly							
Video							Interface		
Compression		H.265/H.264/H.264B/MJPEG(Sub Stream)					Video Interface		N/A
Smart Codec		Support H.265+/H.264+					Audio Interface		N/A
Streaming Capability		2 Streams					RS485		N/A
Resolution		4M(2560x1440)/3M(2304x1296)/1080P(1920x1080)/720P(1280x720)/VGA(640x480)/D1(704x576/704x480)/CIF(352x288/352x240)					Alarm		N/A
Frame Rate		Main Stream: 4M(1 ~ 20fps) Sub Stream: D1(1 ~ 25/30fps)					Electrical		
Bit Rate Control		CBR/VBR					Power Supply		DC12V, PoE (802.3af)(Class 0)
Bit Rate		H.264: 32K~6144K H.265: 12K~ 6144K					Power Consumption		<4.2W
Day/Night		Auto(ICR) / Color / B/W							

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

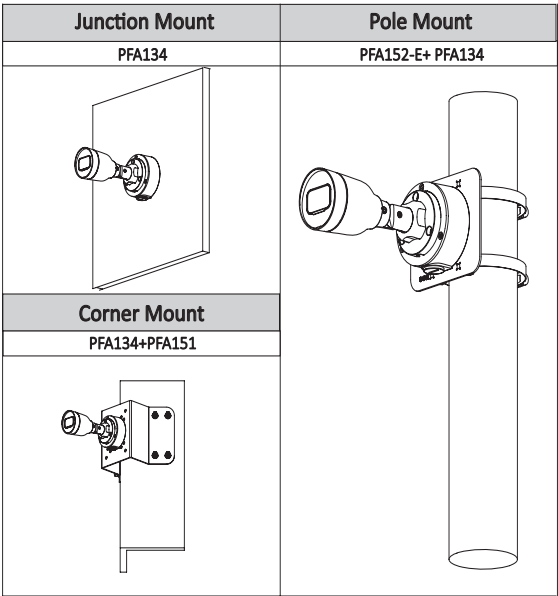
Casing	Metal+Plastic
Dimensions	Φ70mm×162.6mm(2.76"x6.49")
Net Weight	0.244Kg(0.537lb)
Gross Weight	0.35Kg(0.77lb)

Ordering Information

Type	Part Number	Description
4MP Camera	IPC-B1B40P	4MP IR Mini-Bullet Network Camera, PAL
	IPC-B1B40N	4MP IR Mini-Bullet Network Camera, NTSC
Accessories (optional)	PFA134	Junction box
	PFA152-E	Pole mount
	PFA151	Corner mount

Accessories

Optional:



Dimensions (mm/inch)

