PBE2P6W12-P/S/A/AI

2MP Starlight IP Bullet Camera

· 1/2.8” 2Megapixel progressive scan STARVIS™ CMOS
· SMART H.264+/H.265+, flexible coding
· 25/30 fps@1080P (1920 × 1080)
· 5mm ~ 60mm motorized lens
· Max. IR LEDs Length 656 FT
· Micro SD card memory, IP67, ePoe

System Overview

The PBE2P6W12-P/S/A/AI can identify (up to 280ft) and recognize targets up to 580 feet away from where you mount your camera. Even at night, the ultra-powerful 4 LED infrared night vision can cast out to a maximum of 656 feet, giving you the best long range shots possible without having to purchase expensive PTZ cameras. The high definition 2MP 1/2.8” Progressive Scan STARVIS™ CMOS gives clear video both at day and even at night. With just a little ambient light, the .002lux @ F1.5 STARVIS™ Starlight sensor allows your camera to stay in color deep into the night.

Features

Face Detection

Whether you wish to recognize, identify or verify a person, a camera with facial recognition software is an efficient solution. It can help you improve customer service and protect your assets by identifying important customers or potential perpetrators.

Perimeter Protection

Perimeter Protection functions significantly improve accuracy. Perimeter Protection reduces false alarms and decreases pixel count requirements for object detection. Perimeter Protection features custom tripwires based on object type for automation in limited access areas such as pedestrian or vehicle-only zones. This combination of advanced AI analytics and real-time alerts to a desktop or a mobile client reduces system requirements as well as resources, resulting in greater surveillance system efficiency.

People Counting

This feature counts the number of people that go in a specified region and the number of people that come out. This is perfect for businesses, banks and anybody who wants to monitor the amount of people coming and going.

ePoE Technology

The ePoE technology adopts advanced 2D-PAM3 coding modulation from physical layer, and realizes full duplex transmission over 800 meters at the speed of 10Mbps, or 300 meters at the speed of 100Mbps via Cat 5 or coaxial cable media. It supports PoE and PoC power supply technology which has greatly simplified construction and wiring. ePoE technology offers a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

Protection (IP67&IK10)

This camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with an IP67 ranking, making it suitable for indoor or outdoor environments. The camera complies with an IK10 vandal resistance rating making it capable of withstanding the equivalent of 5 kg (11.02 lbs) of force, dropped from a height of 40 cm (15.75 in). Supporting ±30% input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection for the camera and its structure against the effects of lightning.

Starlight Technology

The starlight standard sensor is just like the retina of your eyes which is sensitive to its ambient light, and the image quality is determined by how much light the sensor could use, together with the camera lens. The starlight camera technology uses larger and highly sensitive sensors, wider aperture and reduces the shutter speed to collect enough light for sharp monochrome/color images, even when human eyes couldn’t identify a thing. So the starlight camera can see right through the darkness, even when it is challenging for your eyes.

Technical Specification

Camera

Image Sensor	1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
Effective Pixels	1920(H) x 1080(V)
RAM/ROM	512MB/128MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.002Lux/F1.5 (Color,1/3s,30IRE) 0.020Lux/F1.5 (Color,1/30s,30IRE) 0Lux/F1.5 (IR on)
IR Distance	Distance up to 200m (656ft)
IR On/Off Control	Auto/ Manual
IR LEDs	4

Lens

Lens Type	Motorized
Mount Type	Board-in
Focal Length	5mm~60mm
Max. Aperture	F1.5
Angle of View	H: 58°~4°, V:34°~2°
Optical Zoom	12x
Aperture Type	Auto(HALL)
Close Focus Distance	1m~1.5m(3.28ft~4.92ft)

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	W	73m(240ft)	29m(95ft)	15m(49ft)	7m(23ft)
	T	883m(2897ft)	353m(1158ft)	177m(580ft)	88m(289ft)

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°

Artificial Intelligence

Face Capture	Support face image capture
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender,Expression(Jolly/Surprise/Normal/Rage/Sad/ Disgusted/Confused/Frightened), Glasses,Mouth Mask, Moustache & Beard
Perimeter Protection	Tripwire, Intrusion(Human & Vehicle classification)
People Counting	Line crossing people counting, Region people counting

General Intelligence

Event Trigger	Motion detection, Video tampering , Scene changing, Network disconnection , IP address conflict, Illegal Access,Storage anomaly
General Intelligence	Object Abandoned/Missing

Video

Compression	H.265+/H.265/H.264+/H.264/H.264B/H.264H/ MJPEG(sub stream)
Streaming Capability	3 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)
Frame Rate	Main Stream: 1080P(1~25/30fps) Sub Stream: D1(1~25/30fps) Third Stream: 1080P(1~6fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32~ 8192Kbps H.265: 19~ 7424Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detetion	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	Support
Smart IR	Support
Defog	Support
Digital Zoom	N/A
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	G.711a/ G.711Mu/ AAC/ G.726/G.723

Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP;SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP;QoS; UPnP;NTP
Interoperability	ONVIF(Profile S/Profile G), CGI,Milstone,Genetec,P2P
Streaming Method	Unicast / Multicast
Max. User Access	20 Users
Edge Storage	NAS FTP Mirco SD card 256GB
Web Viewer	IE(versions newer than IE8), Chrome, Firefox, Safari(versions newer than Safari 12)
Management Software	Smart PSS, DSS, P2P
Smart Phone	iOS, Android

Certifications

Certifications	CE-LVD:EN60950-1 CE-EMC:Electromagnetic Compatibility Directive 2014/30/EU FCC:47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

Technical Specification

Interface

Video Interface	N/A
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC

Electrical

Power Supply	DC12V(±30%), PoE(802.3af)(Class 0)
Power Consumption	DC12V:2.5W 9.4W(IR on) PoE:3.2W 10.3W(IR on)

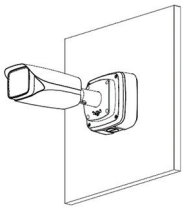
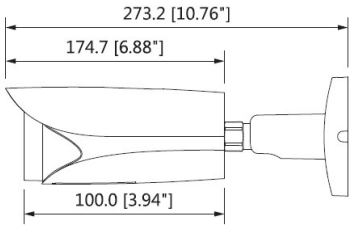
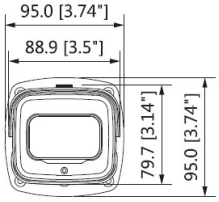
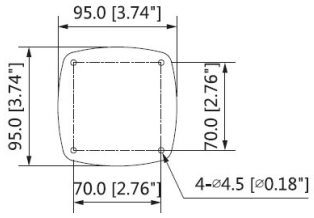
Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / 10%RH~95% RH
Strorage Conditions	+5° C ~ +40° C (+41° F ~ +104° F) (daily temperature difference within 15° C/59° F) / 10%RH~95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal,plastic
Dimensions	273.2mm×95.0mm×95.0mm (10.76”×3.74”×3.74”)
Net Weight	1.11Kg (2.44lb)
Gross Weight	1.51Kg (3.33lb)

Accessories

Junction Box	Junction Box/Pole Mount
JBEW-121	JBEW-121-LEW-152E
	

Dimensions