

PJE2P1W2-S/I/A

2x 2MP IR Mini Dome Network Camera



- Two 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 dual-stream encoding
- 25/30fps@2M(1920×1080)
- Smart Detection supported
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.8mm fixed lens
- Max. IR LEDs Length 20m
- Micro SD memory, IP67, IK10, PoE

System Overview

This camera is a unique vandal dome camera that has two separate 2.8mm lenses that can be turned in various directions and can therefore easily take the place of multiple cameras. Among the features included, True WDR (120dB) allows your video to be optimized so that bright and dark areas are balanced and your video is usable. With the STARVIS™ CMOS Starlight Technology, you'll be able to use these cameras where you don't have optimum lighting conditions.



Functions

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.

Wide Dynamic Range

When part of an image is extremely dark but another part is so bright you can't see any details, that's dynamic range—the difference in lighting. Cameras with wide dynamic range (WDR) have special software that allows them to balance that lighting for one clear image. This makes them ideal for recording areas like store entrances where the contrast between the sunshine outside and the dim lighting inside can be extremely difficult to record.

Intelligent Video System (IVS)

IVS system provides advanced, accurate video analytic for both IP and analog cameras. The IVS engine can track, classify and analyze the behavior of individual or group of objects over long distance to greatly improve parameter security and monitoring efficiency.

Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Protection

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

HEVC (H.265)

High Efficiency Video Coding (HEVC) is a video compression standard which offers double the data compression ratio at the same or higher level of video quality and the same bit rate as the AVC technique. High Efficiency Video Coding supports resolutions up to 8192×4320, which includes 8K ultra-high definition.

Technical Specification

Camera

| | |
|--------------------------|---|
| Image Sensor | Two 1/2.8" 2Megapixel progressive scan CMOS |
| Effective Pixels | 1920(H)x1080(V) |
| RAM/ROM | 512MB/256MB |
| Scanning System | Progressive |
| Electronic Shutter Speed | Auto/Manual, 1/3(4)~1/100000s |
| Minimum Illumination | 0.009Lux/F2.0(Color,1/3s,30IRE) 0.07Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on) |
| S/N Ratio | More than 50dB |
| IR Distance | Distance up to 20m (66ft) |
| IR On/Off Control | Auto/ Manual |
| IR LEDs | 10 x 2 |

Lens

| | | | | | |
|----------------------|----------------|------------|-----------|-----------|----------|
| Lens Type | Fixed | | | | |
| Mount Type | Board-in | | | | |
| Focal Length | 2.8mm | | | | |
| Max. Aperture | F2.0 (F2.1) | | | | |
| Angle of View | H: 110°, V:60° | | | | |
| Optical Zoom | N/A | | | | |
| Focus Control | Fixed | | | | |
| Close Focus Distance | N/A | | | | |
| | Lens | Detect | Observe | Recognize | Identify |
| DORI Distance | 2.8 mm | 41m(134ft) | 16m(52ft) | 8m(26ft) | 4m(13ft) |

Pan/Tilt/Rotation

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|-------------------------|---|
| Pan/Tilt/Rotation Range | Pan:±90°; Tilt:0°~65°; Rotation:0°~360° |
|-------------------------|---|

Intelligence

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|--------------------------------|--|
| Event Trigger | Motion detection, Video tampering, Scene changing, Network disconnection, Ip address conflict, Illegal access, Storage anomaly |
| IVS | Tripwire, Intrusion, Object Abandoned/Missing |
| Advanced Intelligent Functions | Face Detection |

Video

| | |
|----------------------|---|
| Compression | H.265/H.264H/MJPEG(Sub Stream) |
| Smart Codec | N/A |
| Streaming Capability | 2 Streams |
| Resolution | 1080P(1920x1080)/1.3M(1280x960)/720P(1280x720)/D1(704x576/704x480)/VGA(640x480)/CIF(352x288/352x240) |
| Frame Rate | Main Stream: CH1: 1080P (1~25/30fps) CH2: 1080P (1~25/30fps) Sub Stream: CH1: D1(1~25/30fps) CH2: D1(1~25/30fps) |
| Bit Rate Control | CBR/VBR |
| Bit Rate | H.264: 32~10240Kbps H.265: 12~7168Kbps |
| 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 Detection | Off / On (4 Zone, Rectangle) |
| Region of Interest | Off / On (4 Zone) |
| Electronic Image Stabilization (EIS) | N/A |
| Smart IR | Support |
| Defog | N/A |
| Digital Zoom | 16x |
| Flip | 0°/90°/180°/270° |
| Mirror | Off / On |
| Privacy Masking | Off / On (4 Area, Rectangle) |

Audio

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|-------------|-----------------------------|
| Compression | G.711a/ G.711Mu/ AAC/ G.726 |
|-------------|-----------------------------|

Network

| | |
|---------------------|---|
| Ethernet | -M Model: RJ-45 (10/100Base-T) -M12 Model: M12 D-Coding (10/100Base-T) |
| Protocol | HTTP;HTTPS;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP;SNMP;TLS |
| Interoperability | ONVIF Profile S&G, API |
| Streaming Method | Unicast / Multicast |
| Max. User Access | 10 Users /20 Users |
| Edge Storage | NAS Local PC for instant recording Mirco SD card 128GB |
| Web Viewer | IE, Chrome, Firefox, Safari |
| Management Software | Smart PSS, DSS, DMSS |
| Smart Phone | IOS, Android |

Certifications

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|----------------|--|
| Certifications | CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B E-mark(ECE-Regulation No.10) EN50155(Environment) |
|----------------|--|

Interface

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|-----------------|--------------|
| Video Interface | N/A |
| Audio Interface | Built-in Mic |
| RS485 | N/A |
| Alarm | N/A |

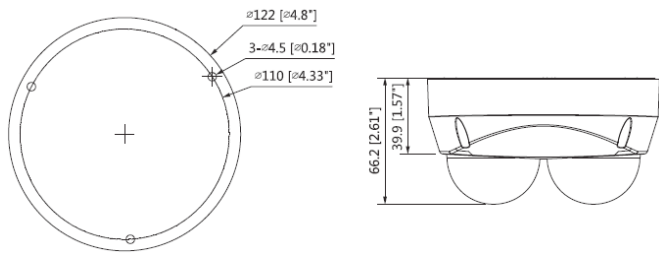
Electrical

| | |
|-------------------|---|
| Power Supply | -M Model: DC12V, PoE (802.3af)(Class 0) -M12 Model: PoE (802.3af)(Class 0) |
| Power Consumption | DC 12V: 4.32W 6.02W(IR on) PoE: 4.32W 6.02W(IR on) |

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 | IK10 |

Dimensions (mm/inch)



Accessories

Optional:



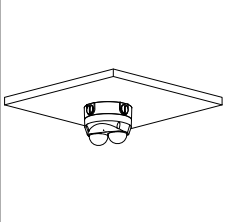
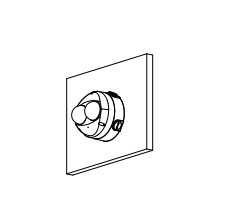
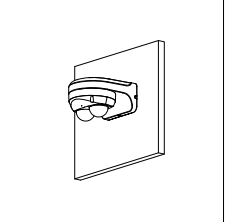
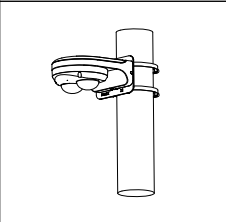
JBEW-137
Junction Box



WEW-203W
Wall Mount



LEW-152E
Pole Mount

| Junction Mount | Wall Mount | |
|---|---|---|
| JBEW-137 | JBEW-137 | WEW-203W |
|  |  |  |
| Pole Mount | | |
| LEW-152E + WEW-203W | | |
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