

WV-U31301-F2L

2MP Indoor Compact Dome Network Camera

All-in-one Compact dome camera with IR-LED



- 2MP Compact dome camera
- Discreet design
- Wide angle of view (Horizontal 123°)
- Built-in IR-LED (21m/69ft)
- Built-in microphone
- NDAA Compliant

[Learn More](#)

SPECIFICATIONS

| Camera | |
|---|---|
| Image Sensor | Approx. 1/2.8 type CMOS image sensor |
| Scanning Area | 5.59 mm (H) × 3.15 mm (V) {7/32 inches (H) × 1/8 inches (V)} |
| Minimum Illumination | Color : 0.08 lx (30IRE, F2.1, 1/30s) Color : 0.12 lx (50IRE, F2.1, 1/30s) BW : 0.05 lx (50IRE, F2.1, 1/30s) BW : 0 lx (50IRE, F2.1, 1/30s with IR LED) |
| White Balance | ATW1 / ATW2 / AWC |
| Shutter Speed | - |
| Maximum Shutter | 30 fps mode: Max.1/10000s to Max.16/30s 25 fps mode: Max.1/10000s to Max.16/25s |
| Intelligent Auto | On / Off |
| Super Dynamic | On / Off (Range : 0 to 31) *1 |
| Dynamic Range | Max.120 dB (Super Dynamic : On, Level : 31) |
| Adaptive Black Stretch | - |
| Back light Compensation / High light Compensation | BLC (Back light compensation) / HLC (High light compensation) / Off *only when Super Dynamic / Intelligent Auto : Off |
| Fog Compensation | On / Off (Range : 0 to 8) *only when Intelligent auto / Auto contrast adjust : Off) |
| Maximum Gain (AGC) | The level can be set in the range of 0 to 11. |
| Color/BW (ICR) | Off / On (IR Light Off) / On (IR Light On) / Auto1 (IR Light Off) / Auto2 (IR Light On) / Auto3 (SCC) |
| IR Illumination | High/ Middle/ Low/ Off Maximum irradiation distance : 21 m {Approx. 69 ft} (30IRE)* 15 m {Approx. 49 ft} (50IRE) *Converted value |
| Digital Noise Reduction | The level can be set in the range of 0 to 255. |
| Video Motion Detection (VMD) | On / Off, 4 areas available |
| Scene Change Detection (SCD) | On / Off, 1 area available |
| Audio Detection | - |
| AI Sound Classification | - |
| AI Analytics | - |
| Privacy Zone | On / Off, Up to 8 zones available |
| VIQS | On / Off, Up to 8 zones available |
| Image Stabilizer | - |
| Camera Title (OSD) | On / Off, Up to 20 characters (alphanumeric characters, marks) |
| Lens | |
| Optical Zoom | 1x |

| | |
|---------------------------|--|
| Extra Zoom | Max 3.0 x (when resolution is 640x360) |
| Digital (electronic) Zoom | - |
| Focal Length | 2.4mm {3/32inches} |
| Angular Field of View | [16:9 mode] Horizontal : 123°, Vertical : 69° [4:3 mode] Horizontal : 92°, Vertical : 69° |
| Maximum Aperture Ratio | 1 : 2.1 |
| Focus Adjustment | - |
| Focus Range | 0.5 m {19-11/16 inches} – ∞ |
| Aperture Range | F2.1 |

DORI

| | |
|----------------------------|----------------|
| Detect (25ppm / 8ppf) | 22.2m {73.0ft} |
| Observe (62.5ppm / 19ppf) | 8.9m {29.2ft} |
| Recognize (125ppm / 38ppf) | 4.4m {14.6ft} |
| Identify (250ppm / 76ppf) | 2.2m {7.3ft} |

System on Chip (SoC)

| | |
|----------------------|----------------|
| System on Chip (SoC) | Ambarella S3LM |
|----------------------|----------------|

Adjusting Angle

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|-----------------|---|
| Adjusting Angle | Horizontal (PAN) angle : -45° to +45° Vertical (TILT) angle : 0 to +90°, Azimuth (YAW) angle : -90° to +90° |
|-----------------|---|

Browser GUI

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|-------------------------|---|
| GUI/Setup Menu Language | English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese |
| Browser *2 | Microsoft Edge, Firefox, Google Chrome |

Network

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|----------------------------------|--|
| Network IF | 10Base-T / 100Base-TX, RJ45 connector |
| Resolution | [16:9 mode(30 fps mode)] [16:9 mode(25 fps mode)] 1920×1080/ 1280×720/ 640×360/ 320×180 [4:3 mode(30 fps mode)] [4:3 mode(25 fps mode)] 1280×960/ VGA/ QVGA |
| H.265/H.264 Transmission Type *3 | [Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO)/ Unicast port (MANUAL)/ Multicast |
| JPEG (MJPEG) Image Quality | 10 steps: 0(SUPER FINE) - 9(LOW) |
| Smart Coding | GOP(Group of pictures) control On(Frame rate control) */ On(Advanced) */ On(Mid)/ On(Low)/ Off *On(Frame rate control) and On(Advanced) are only available with H.265. AUTO VIQS On/ Off |
| Audio Compression Method *4 | G.726 (ADPCM) : 16 kbps / 32 kbps G.711 : 64 kbps AAC-LC : 64 kbps / 96 kbps / 128 kbps |

| | |
|-----------------------------------|---|
| Supported Protocol | IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, FTP, SFTP, LLDP, MQTT IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, FTP, SFTP, LLDP, MQTT |
| No. of Simultaneous Users | Up to 14 users (Depends on network conditions) |
| Secure | Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection |
| SDXC/SDHC/SD Memory Card (Option) | microSDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB microSDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB microSD memory card: 2 GB |
| Mobile Terminal Compatibility | iPad / iPhone (iOS 8.0 or later), Android™ terminals |
| ONVIF® Profile | G / S / T |

Alarm

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|---------------|--|
| Alarm Source | VMD alarm, SCD alarm, Command alarm, Audio detection alarm |
| Alarm Actions | SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output |

Input/Output

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|------------------------|---|
| Audio Input | - |
| Audio Output | - |
| External I/O Terminals | - |
| Monitor Output | - |

General

| | |
|-------------------------------|--|
| Safety | UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 |
| EMC | FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035 |
| Power Source | PoE (IEEE802.3af Compliant) |
| Power Consumption | PoE DC 48V: 110mA / approx. 5.3W(Class 2 device) |
| Ambient Operating Temperature | 0 °C to +40 °C (32 °F to 104 °F) |
| Ambient Operating Humidity | 10 to 90 % (no condensation) |
| Dimensions | ø104 mm x 51 mm (H) {ø4-3/32 inches x 2 inches (H)} |
| Mass (Approx.) | Approx. 280 g {0.62 lbs} |
| Finish | Main body : ABS resin, i-PRO white Dome section : PC resin, Clear |

NOTES

*1 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.

*2 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.

*3 Transmission for 4 streams can be individually set.

*4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) .

Important

- Safety Precautions : Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
- i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
- Masses and dimensions are approximate.

- Specifications are subject to change without notice.

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OPTIONAL ACCESSORIES

Select a compatible accessory

[Accessory Selector \(i-pro.com\)](http://i-pro.com).



WV-QAT502-W
Gangbox Adapter



WV-QCL100-W
Mount Bracket



WV-QCL101-W
Mount Bracket



WV-QCN500-W
Mount Bracket



WV-QJB500-W
Mount Bracket



WV-QJB502A-W
Mount Bracket

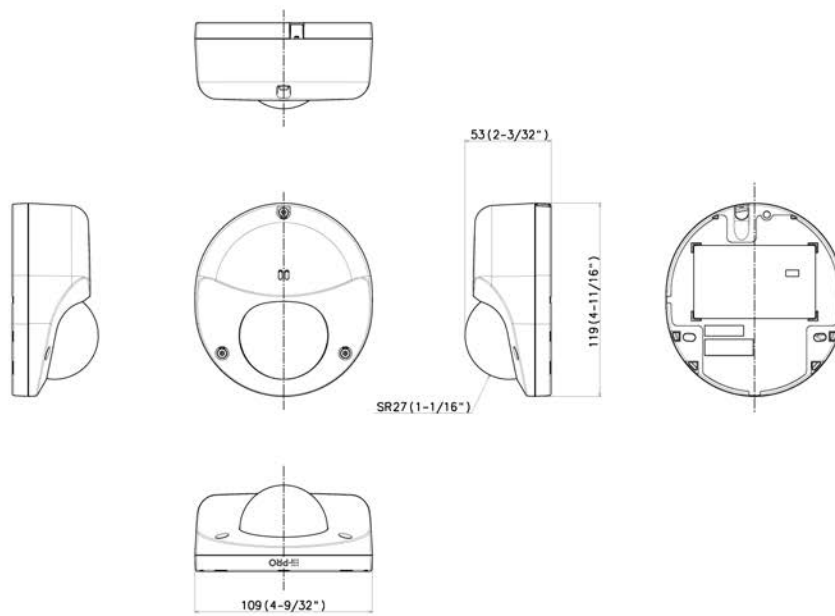


WV-QPL500-W
Mount Bracket



WV-QWL500-W
Mount Bracket

APPEARANCE



Mass : Approx. 550 g (1.21 lbs)

