

WV-S66600-Z3L

6MP Outdoor 30x PTZ Network Camera with AI engine

Rapid PTZ camera with AI engine and IR-LED



- 6MP 30x PTZ camera
- Innovative New Form Factor PTZ
- Up to 3 Edge AI analytic apps
- AI auto tracking
- Built-in IR-LED (200m/656ft)
- High speed Pan/Tilt drive (Pan: 700deg./s, Tilt: 500deg./s)
- IP66, IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant



SPECIFICATIONS

| Camera | |
|--|---|
| Image Sensor | Approx. 1/2.8 type CMOS image sensor |
| Scanning Area | 5.57 mm (H) × 3.13 mm (V) {7/32 inches (H) × 1/8 inches (V)} |
| Minimum Illumination | Color : 0.13 lx (30IRE, F1.8, 1/30s, AGC:11)* 0.19 lx (50IRE, F1.8, 1/30s, AGC:11) 0.012 lx (50IRE, F1.8, 16/30s, AGC:11)* BW : 0 lx (50IRE, F1.8, 1/30s, AGC:11, IR LED: On) 0.1 lx (50IRE, F1.8, 1/30s, AGC:11) 0.006 lx (50IRE, F1.8, 16/30s, AGC:11)* *Converted value |
| White Balance | ATW1 / ATW2 / AWC |
| Shutter Speed | [30 fps mode] 1/30 Fix to 1/10000 Fix [25 fps mode] 1/25 Fix to 1/10000 Fix |
| Maximum shutter | [30 fps Mode] Max.1/4000s to Max.16/30s [25 fps Mode] Max.1/4000s to Max.16/25s |
| Intelligent Auto | On / Off |
| Super Dynamic | On / Off, The level can be set in the range of 0 to 31. |
| Dynamic Range | Max.132 dB (Super Dynamic : On, Level 31) |
| Adaptive Black Stretch | The level can be set in the range of 0 to 255. |
| Back Light Compensation/ High Light Compensation | BLC (Back light compensation) / HLC (High light compensation) / Off The level can be set in the range of 0 to 31 (only when Super dynamic / Intelligent Auto : Off) |
| Fog Compensation | On / Off, The level can be set in the range of 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 LED Light | High/ Middle/ Low/ Off Maximum irradiation distance : 280 m {Approx. 920 ft} (30IRE)* 200 m {Approx. 660 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 areas available |
| Audio Detection | On / Off |
| AI Sound Classification | Gunshot, Yell, Vehicle horn, Glass break |
| AI Analytics | AI Video Motion Detection, AI Privacy Guard, AI Face Detection, AI People Detection, AI Vehicle Detection, AI Non mask Detection (prior to V2.70), AI Occupancy Detection, AI Scene Change Detection For details : https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software 3rd party applications are also available. https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list |
| Privacy Zone | On / Off, Up to 32 zones available |
| VIQS | On / Off, Up to 8 zones available |

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| Image Stabilizer | On / Off (Built-in gyro sensor) |
| Image Rotation | On / Off |
| Camera Title (OSD) | On / Off, Up to 40 characters (alphanumeric characters, marks) |

Lens

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| Optical zoom | 30x (Motorized zoom / Motorized focus) |
| Extra zoom | Max. 78x (30x - 78x when resolution is 1280x720) |
| Focal length | 4.5mm - 135mm (3/16 inches - 5-5/16 inches) |
| Angular Field of View | [16 : 9 mode] Horizontal : 2.5° (TELE) - 62° (WIDE), Vertical : 1.4° (TELE) - 37° (WIDE) |
| Maximum Aperture Ratio | 1 : 1.8 (WIDE) - 1 : 4.7 (TELE) |
| Focus range | 3.0 m {118-1/8 inches} -∞ |
| Aperture range | F1.8 - close |

DORI

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| Detect (25ppm / 8ppf) | Wide: 110.8 m / 363.4 ft, Tele: 3050.4 m / 10007.9 ft |
| Observe (62.5ppm / 19ppf) | Wide: 44.3 m / 145.4 ft, Tele: 1220.2 m / 4003.2 ft |
| Recognize (125ppm / 38ppf) | Wide: 22.2 m / 72.7 ft, Tele: 610.1 m / 2001.6 ft |
| Identify (250ppm / 76ppf) | Wide: 11.1 m / 36.3 ft, Tele: 305.0 m / 1000.8 ft |

System on Chip (SoC)

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| System on Chip (SoC) | Ambarella CV22 |
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Adjusting Angle

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| Adjusting Angle | Horizontal : 360° Endless Panning, TILT : -20° to +90°, Yaw : 0° |
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Pan /tilt

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| Panning Range | 360° Endless panning |
| Panning Speed | Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 700°/s |
| Tilting Range | Operational range -20° - +90° |
| Tilting Speed | Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s |
| Preset Positions | 256 positions |
| Auto Mode | Auto track/ Auto pan/ Preset sequence/ Patrol |
| Self Return | 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min |
| Active ClearSight | Yes |

Browser GUI

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| GUI / Setup Menu Language | English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese |
| Browser *1 | Microsoft Edge, Firefox, Google Chrome |

Network

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|---|---|
| Network IF | 10Base-T / 100Base-TX, RJ45 connector |
| Resolution H.265/ H.264/ JPEG (MJPEG) | [16:9 mode (30 fps mode)] [16:9 mode (25 fps mode)] 3328x1872/ 2560x1440/ 1920x1080/ 1280x720/ 640x360/ 320x180 |
| H.265/H.264 Transmission Mode / Type *2 | [Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast |
| JPEG | [Image Quality] 10 steps |

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| Smart Coding | GOP (Group of pictures) control: Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced(Fixed GOP 60s w/1s key-frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control) *Advanced and Frame rate control are only available with H.265. Smart VIQS: On(High)/On(Low)/Off, Smart P-picture control: On/Off |
| Audio compression method *3 | G.726 (ADPCM) : 16 kbps / 32 kbps, G.711 : 64 kbps, AAC-LC : 64 kbps / 96 kbps / 128 kbps |
| Audio Transmission Mode | Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) |
| 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 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, SRTP, MQTT, NTCIP |
| No. of Simultaneous Users | Up to 14 users (Depends on network conditions) |
| Secure | FIPS 140-2 level 3 (NXP® EdgeLock® SE050F), Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection, Alteration detection, Signed Firmware |
| SDXC/SDHC/SD Memory Card (Option) | H.265 / H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure JPEG recording : Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SDXC/SDHC/SD Memory Card : 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 / M / S / T |

Alarm

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| Alarm Source | 3 terminals input, VMD 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 *4 | ø3.5 mm stereo mini jack Recommended applicable microphone: Plug-in power type (Sensitivity of microphone:-51dB to -38dB (0 dB=1 V/Pa, 1 kHz)) Input impedance: Approx. 2 kΩ (unbalanced) Supply voltage: 4.0V±0.5V For line input : Input level : Approx. -10 dBV |
| Audio Output *4 | ø3.5 mm stereo mini jack (Audio output is monaural.) Output impedance: Approx. 600 Ω (unbalanced) Output level: -20 dBV |
| External I/O Terminals *4 | ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1) ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1) |
| Monitor Output | - |

General

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| Safety | UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 |
| EMC | FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 |
| Other Standard | NEMA-TS2 |
| Power Source and Power Consumption | PoE++ (IEEE802.3bt compliant) DC 54 V : 850 mA/Approx. 45.9 W (Class 6 device) |
| Ambient Operating Temperature | -50 °C to 60 °C * {-58 °F to 140 °F} (Power On range: -30 °C to +60 °C {-22 °F to 140 °F}) Maximum temperature according to NEMA TS 2 (2.2.7) : 74°C(165°F) * When using with the IR LED light constantly lit, the upper limit of the operating temperature range is +50°C {+122 °F}. |
| Ambient Operating Humidity | 10 to 100 % (no condensation) |

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|---------------------------|---|
| Water and Dust Resistance | IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant |
| Shock Resistance | IK10 (IEC 62262) |
| Wind Resistance | Up to 40 m/s {approx. 89 mph} |
| Dimensions | Maximum diameter: ϕ 167mm \times 205 mm (H) { ϕ 6-9/16 inches \times 8-1/16 inches (H) } Dome radius SR 77.5 mm {SR 3-1/16 inches} (excluding an attachment for the conduit portion and protruding parts) |
| Mass (approx.) | Approx. 3 kg (without attachment) |
| Finish | Main body : Aluminum die cast, i-PRO white Outer fixing screws : Stainless steel (Corrosion-resistant treatment) Dome cover: Polycarbonate resin, Clear |
| Other | Tamper-resistant enclosure *5 |

NOTES

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

*2 Transmission for 4 streams can be individually set.

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

*4 When using with them, WV-QCA501A cable is required.

*5 Component that has a structure on which the screws that are accessible after installation cannot be screwed or unscrewed using an ordinary screwdriver.

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-QWL502-W
Mount Bracket



WV-QWL501-W
Mount Bracket



WV-QSR506M1-W
Mount Bracket



WV-QSR506M-W
Mount Bracket



WV-QSR506F1-W
Mount Bracket



WV-QSR506F-W
Mount Bracket



WV-QSR506-W
Mount Bracket



WV-QPL500-W
Mount Bracket



WV-QJB505-W
Base Bracket



WV-QEM505-W
Ceiling Mount Bracket



WV-QCN500-W
Mount Bracket



WV-QCL501-W
Mount Bracket



WV-QCL101-W
Mount Bracket



WV-QCL100-W
Mount Bracket



WV-SDB256G
i-PRO SD Memory Card



WV-SDB128G
i-PRO SD Memory Card



WV-SDB064G
i-PRO SD Memory Card



WV-SDB032G
i-PRO SD Memory Card

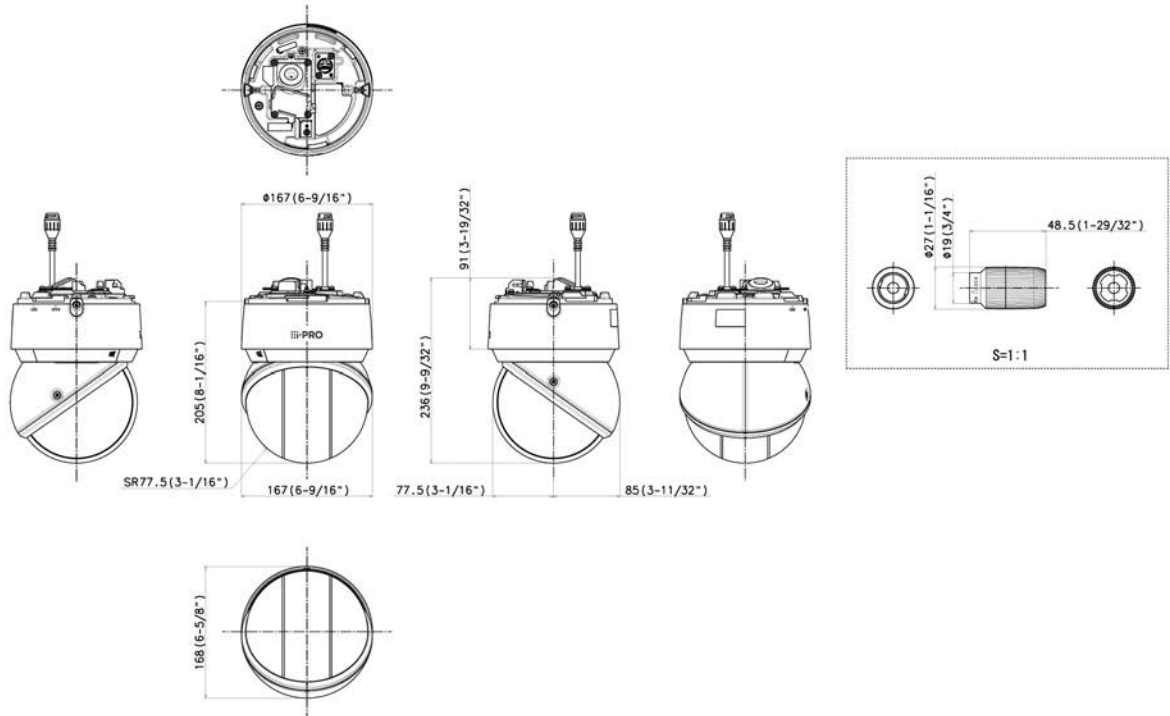


WV-QCA501A
I/O Cable



WV-PM500
Compact microphone
unit for surveillance
cameras

APPEARANCE



| | 投影面積/Projected area |
|--------------------------------|-------------------------|
| 正面圖/Front-view | 0.029 (m ²) |
| 側面圖/Side-view | 0.029 (m ²) |
| Mass : Approx. 3 kg [6.62 lbs] | |

Unit:mm