

WV-S35402-F2LG

4MP Outdoor Compact Dome Network Camera with AI engine

All-in-one Compact dome camera with AI engine and IR-LED



- 4MP Compact dome camera
- Up to 1 Edge AI analytic app
- Discreet design
- Wide angle of view (Horizontal 121°)
- Built-in IR-LED (10m/33ft)
- Built-in microphone
- IP66, IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

[Learn More](#)

SPECIFICATIONS

| Camera | |
|--|---|
| Image Sensor | Approx.1/2.8 type CMOS image sensor |
| Scanning Area | 5.12 mm (H)×3.84 mm (V) {3/16 inches (H) × 5/32 inches (V)} |
| Minimum Illumination | Color : 0.19 lx (30IRE, F2.1, 1/30s, AGC:11)* 0.27 lx (50IRE, F2.1, 1/30s, AGC:11) 0.0169 lx (50IRE, F2.1, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.1, 1/30s, AGC:11, IR LED: On) 0.16 lx (50IRE, F2.1, 1/30s, AGC:11) 0.01 lx (50IRE, F2.1, 16/30s, AGC:11)* *Converted value |
| White Balance | ATW1/ ATW2/ AWC |
| Maximum shutter | 30 fps/ 15 fps mode: Max.1/10000s to Max.16/30s 25 fps/12.5 fps mode: Max.1/10000s 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 | 132 dB max. (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/ HLC/ 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 : 10 m {Approx. 33 ft} (30IRE)* , 7 m {Approx. 23 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 | On/Off |
| AI Sound Classification | Selectable from Gunshot, Yell, Vehicle horn, Glass break |
| AI Analytics | AI Video Motion Detection, 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 8 zones available |

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| VIQS | On/ Off, up to 8 zones available |
| Image Rotation | 0° (Off)/ 90°/ 180° (Upside-down)/ 270° |
| Camera Title (OSD) | On/ Off, Up to 40 characters, Up to 2 Lines (alphanumeric characters, marks) |

Lens

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| Optical zoom | 1x |
| Extra zoom | max 4.0 x (when resolution is 640x360) |
| Digital (Electronic) zoom | - |
| Focal length | 2.4mm {3/32inches} |
| Angular Field of View | [16:9 mode] Horizontal: 121° , Vertical: 68° [4:3 mode] Horizontal : 121° , Vertical : 91° |
| Maximum Aperture Ratio | 1 : 2.1 |
| Focus range | 0.7m{27-9/16 inches}-∞ |
| Aperture range | F2.1 |

DORI

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|----------------------------|----------------|
| Detect (25ppm / 8ppf) | 29.0m / 95.0ft |
| Observe (62.5ppm / 19ppf) | 11.6m / 38.0ft |
| Recognize (125ppm / 38ppf) | 5.8m / 19.0ft |
| Identify (250ppm / 76ppf) | 2.9m / 9.5ft |

System on Chip (SoC)

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|----------------------|-----------------|
| System on Chip (SoC) | Ambarella CV25M |
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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° |
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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 | [16:9 mode (30 fps mode/25 fps mode)] 2560x1440/ 1920x1080/ 1280x720/ 640x360/ 320x180 [16:9 mode (2688x1520 30 fps mode/ 25 fps mode)] 2688x1520* / 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode (30 fps mode/ 25 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode (15 fps mode/ 12.5 fps mode)] 2048x1536, 1280x960, VGA, QVGA *Used by super resolution techniques |
| 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 60 seconds with 1 second 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 | G.726 (ADPCM): 32 kbps/16 kbps , G.711: 64 kbps , AAC-LC: 64kbps/96kbps/128kbps *3 |
| 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, LLDP, FTP, SFTP, 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, SRTP, LLDP, FTP, SFTP, MQTT |
| 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) | 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™ mobile terminals |
| ONVIF®Profile | G / M / S / T |

Alarm

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| Alarm Actions | SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output |
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Input/Output

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| Monitor Output | - |
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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 ClassA, EN55032 ClassA, EN55035 |
| Power Source | PoE (IEEE802.3af Compliant) |
| Power Consumption | PoE DC 48V: 180mA / approx. 8.6W (Class 0 device) |
| Ambient Operating Temperature | -40 °C to +50 °C {-22 °F to 122 °F} (Power On range: -20 °C to +50 °C {-4 °F to 122 °F}) |
| Ambient Operating Humidity | 10 % to 100 % (no condensation) |
| Water and Dust Resistance | IP66 (IEC 60529), Type 4X (UL50E), NEMA 4X compliant |
| Shock Resistance | IK10 (IEC 62262) |
| Wind Resistance | Up to 40 m/s {approx. 89 mph} |
| Dimensions | 109 mm (W) x 53 mm (H) x119 mm (D) {4-19/64inches (W) x 2-3/32 inches (H) x 4-11/16 inches (D)} |
| Mass (approx.) | approx. 475g {1.05 lbs} |
| Finish | Main body: Aluminum die cast, i-PRO white Front panel: PC resin, Smoke |
| Other | Tamper-resistant enclosure *4 |

NOTES

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

*2 Transmission for 3 streams can be individually set.

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

*4 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-QWL500-W
Mount Bracket



WV-QWL500-B
Mount Bracket



WV-QPL500-W
Mount Bracket



WV-QPL500-B
Mount Bracket



WV-QJB502A-W
Mount Bracket



WV-QJB502A-B
Mount Bracket



WV-QJB500-W
Mount Bracket



WV-QJB500-B
Mount Bracket



WV-QCN500-W
Mount Bracket



WV-QCN500-B
Mount Bracket



WV-QAT502-W
Gangbox Adapter



WV-QAT502-G
Gangbox Adapter



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-QDC505C
Dome Cover

APPEARANCE

