

WV-S2536LTNA

2MP (1080p) Vandal Resistant Outdoor Dome Network Camera

S-series 2MP Network camera with AI engine



- 2MP Outdoor dome camera
- Up to 2 Edge AI analytic apps
- Built-in IR-LED(70m, 230ft)
- IP66, IK10 certified
- Built-in FIPS 140-2 Level 3 Compliant 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 : 0.011 lx (30IRE, F1.3, 1/30s, AGC:11)* 0.015 lx (50IRE, F1.3, 1/30s, AGC:11) 0.001 lx (50IRE, F1.3, 16/30s, AGC:11)* BW : 0 lx (50IRE, F1.3, 1/30s, AGC:11, IR LED: On) 0.008 lx (50IRE, F1.3, 1/30s, AGC:11) 0.0005 lx (50IRE, F1.3, 16/30s, AGC:11)* *Converted value |
| White Balance | ATW1 / ATW2 / AWC |
| Shutter Speed | [60 fps Mode] 1/60 Fix to 1/10000 Fix, [30 fps/15 fps mode] 1/30 Fix to 1/10000 Fix [50 fps Mode] 1/50 Fix to 1/10000 Fix, [25 fps/12.5 fps mode] 1/25 Fix to 1/10000 Fix |
| Maximum Shutter | [60 fps mode] Max. 1/4000 s to Max. 16/30 s [50 fps mode] Max. 1/4000 s to Max. 16/25 s [30 fps mode] Max. 1/4000 s to Max. 16/30 s [25 fps mode] Max. 1/4000 s to Max. 16/25 s [15 fps mode] Max. 1/4000 s to Max. 16/30 s [12.5 fps mode] Max. 1/4000 s to Max. 16/25 s |
| Intelligent Auto | On / Off |
| Super Dynamic | On / Off, The level can be set in the range of 0 to 31. |
| Dynamic Range | Max.144 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 (only when Super dynamic / Intelligent Auto : Off) |
| Fog Compensation | On / Off (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 : 70 m {Approx. 230 ft} (30IRE) 50 m {Approx. 164 ft} (50IRE) |
| 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 8 zones available |
| VIQS | On / Off, Up to 8 zones available |
| Image rotation | 0 ° / 90 ° / 180 ° / 270 ° |
| Camera Title (OSD) | On / Off, Up to 40 characters (alphanumeric characters, marks) |
| Focus Adjustment | Auto focus |

| Lens | |
|------------------------|---|
| Optical Zoom | 2.3x (Motorized zoom / Motorized Focus) |
| Extra zoom | 2.3x - 6.9x (when resolution is 640 x 360) |
| Focal Length | 9 - 21 mm {11/32 inches - 13/16 inches} |
| Angular Field of View | [16 : 9 mode] Horizontal : 15° (TELE) – 36° (WIDE), Vertical : 9° (TELE) – 20° (WIDE) [4 : 3 mode] Horizontal : 11° (TELE) – 27° (WIDE), Vertical : 9° (TELE) – 20° (WIDE) |
| Maximum Aperture Ratio | 1 : 1.7 (WIDE) – 1 : 3.0 (TELE) |
| Focusing Range | 2 m {78-3/4 inches} – ∞ |

| DORI | |
|----------------------------|---|
| Detect (25ppm / 8ppf) | Wide: 118.2m / 387.7 ft, Tele: 291.7 m / 956.9 ft |
| Observe (62.5ppm / 19ppf) | Wide: 47.3 m / 155.1 ft, Tele: 116.7 m / 382.8 ft |
| Recognize (125ppm / 38ppf) | Wide: 23.6 m / 77.5 ft, Tele: 58.3 m / 191.4 ft |
| Identify (250ppm / 76ppf) | Wide: 11.8m / 38.8 ft, Tele: 29.2 m / 95.7 ft |

| System on Chip (SoC) | |
|----------------------|-----------------|
| System on Chip (SoC) | Ambarella CV25M |

| Adjusting Angle | |
|-----------------|---|
| Adjusting Angle | Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100° |

| Browser GUI | |
|---------------------------|--|
| Camera Control | Brightness, AUX On / Off |
| Audio | Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High |
| GUI / Setup Menu Language | English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese |
| Browser | Microsoft Edge, Firefox, Google Chrome |

| Network | |
|---------------------------------------|--|
| Network IF | 10Base-T / 100Base-TX, RJ45 connector |
| Resolution H.265/ H.264/ JPEG (MJPEG) | [16 : 9 mode (60 fps mode)], [16 : 9 mode (30 fps mode)], [16 : 9 mode (50 fps mode)], [16 : 9 mode (25 fps mode)] : 1920x1080, 1280x720, 640x360, 320x180 [4 : 3 mode (30 fps mode)], [4 : 3 mode (25 fps mode)] : 1280x960, VGA, QVGA [4 : 3 mode (15 fps mode)], [4 : 3 mode (12.5 fps mode)] : 2048x1536 , 1280x960, VGA, QVGA |
| 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 | 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, FTP, SFTP, MQTT, LLDP 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, FTP, SFTP, MQTT, LLDP |
| 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 Available 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, Android™ terminals |
| ONVIF Profile | G / M / S / T |

Alarm

| | |
|---------------|---|
| 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, Panasonic alarm protocol output |

Input/Output

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|------------------------|--|
| Audio input | ø3.5 mm stereo mini jack |
| Audio Output | ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV |
| External I/O Terminals | 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 | Yes (for adjustment) Pin jack, NTSC or PAL signal can be output from camera |

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 ClassB, EN55035 |
| Power Source and Power Consumption | DC power supply : DC12 V 860 mA, Approx. 10.3 W PoE (IEEE802.3af compliant) Device : DC48 V 210 mA, Approx. 10.1 W (Class 0 device) |
| Ambient Operating Temperature | -40 °C to +60 °C (-40 °F to 140 °F) / (Power On range : -30 °C to +60 °C {-22 °F to +140 °F}) |
| Ambient Operating Humidity | 10 to 100 % (no condensation) |
| Anti-Condensation System | Temish element + Heater + moisture absorption gel |
| Water and Dust Resistance | IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant |
| Shock Resistance | 50J (IEC 60068-2-75 compliant), IK10 (IEC 62262) |

| | |
|-----------------|--|
| Wind Resistance | Up to 40 m/s {approx. 89 mph} |
| Dimensions | ø154 mm x 105 mm (H) {ø6-1/16 inches x 4-1/8 inches (H)} |
| Mass (Approx.) | Approx. 1.1 kg {2.43 lbs.} |
| Finish | Main body : Aluminum die cast, i-PRO white |

NOTES

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-QWL506-W
4-screw Wall Mount
Bracket



WV-QWL506M1-W
ANSI Male Wall Mount
Bracket (1.5\"/>



WV-Q105A
Mount Bracket



WV-QCL100-W
Mount Bracket



WV-QCL101-W
Mount Bracket



WV-QCL501-W
Mount Bracket



WV-QCN500-W
Mount Bracket



WV-QEM500-W
Mount Bracket



WV-QJB500-W
Mount Bracket



WV-QJB501-W
Base Bracket



WV-QJB504-W
Base Bracket



WV-QPL500-W
Mount Bracket



WV-QSR500-W
Sun Shade



WV-QSR501-W
Mount Bracket



WV-QWL500-W
Mount Bracket



WV-QWL501-W
Mount Bracket



WV-QCA500A
RJ45 Ethernet Cable



WV-QCA501A
I/O Cable



WV-QSR505-W
Sun Shade



WV-QSR501F1-W
Mount Bracket



WV-QSR501M1-W
Mount Bracket



WV-QSR501F-W
Mount Bracket



WV-QSR501M-W
Mount Bracket



WV-PM500
Compact microphone
unit



WV-CW7S
Dome cover



WV-CW7SN
Dome cover



WV-CW7CN
Dome cover



WV-QDC504C
Dome Cover



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

APPEARANCE

