

WV-S22500-F6L

5MP Vandal Resistant Indoor Dome Network Camera

New S-series wide lineup high resolution network camera with AI engine



- 5MP
- Intelligent Auto (with AI Engine)
- Super Dynamic 132dB
- Color night vision (0.08 to 0.11 lx)
- Smart Coding (with AI Engine)
- Built-in IR LED
- IK10 Vandal Resistant
- Built-in FIPS 140-2 Level 3 Certified Secure Element with TPM functionality (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant



SPECIFICATIONS

| Camera | |
|---|---|
| Image Sensor | Approx. 1/2.8 type CMOS image sensor |
| Minimum Illumination | Color : 0.08 lx (30IRE, F1.6, 1/30s) Color : 0.11 lx (50IRE, F1.6, 1/30s) BW : 0.07 lx (50IRE, F1.6, 1/30s) BW : 0 lx (50IRE, F1.6, 1/30s with IR LED) |
| White Balance | ATW1 / ATW2 / AWC |
| Shutter Speed | [30fps/15fps mode] 1/30 Fix to 1/10000 Fix [25fps/12.5fps mode] 1/25 Fix to 1/10000 Fix |
| 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 (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 : 35 m {Approx. 115 ft} (30IRE) 25 m {Approx. 82 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 | Yes |
| 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 | 1 x |
| Extra zoom | 1x - 3x (when resolution is 640 x 360) |
| Focal length | 6.1 mm {1/4 inches} |

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| Angular Field of View | [16 : 9 mode] Horizontal : 48°, Vertical : 27° [4 : 3 mode] Horizontal : 48°, Vertical : 36° |
| Maximum Aperture Ratio | 1 : 1.6 |
| Focus range | 1.0 m {39-3/8 inches} – ∞ |

DORI

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|----------------------------|-------------------|
| Detect (25ppm / 8ppf) | 138 m / 452.7 ft |
| Observe (62.5ppm / 19ppf) | 55.2 m / 181.1 ft |
| Recognize (125ppm / 38ppf) | 27.6 m / 90.5 ft |
| Identify (250ppm / 76ppf) | 13.8 m / 45.3 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 : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° |
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Browser GUI

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| 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

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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)] 3072x1728/2560x1440/1920x1080/1280x720/640x360/320x180 [4:3 mode (30 fps mode)][4:3 mode (25 fps mode)] 3072x2304/2560x1920/1280x960/800x600/VGA/400x300/320x240 |
| H.265/H.264 | [Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast |
| JPEG | [Image Quality] 10 steps |
| 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, 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, SFTP, MQTT, LLDP |
| No. of Simultaneous Users | Up to 14 users (Depends on network conditions) |

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| Secure | FIPS 140-2 level 3 Certified Secure Element (NXP® EdgeLock® SE050F), Device Certificate GlobalSign® pre-installed, User authentication, Host authentication, HTTPS, 802.1X Support, Data encryption |
| SDXC/SDHC/SD Memory Card | 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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| Monitor Output (for Adjustment) | VBS : 1.0 V [p-p] / 75 Ω, composite, Pin jack An NTSC or PAL signal can be outputted from camera |
| Audio input | ø3.5 mm stereo mini jack For microphone input : Recommended applicable microphone : Plug-in power type (Sensitivity of microphone : -51 dB to -38 dB (0 dB=1 V/Pa, 1 kHz)) Input impedance : Approx. 2 kΩ (unbalanced) Supply voltage : 2.5 V ±0.5 V For line input : Input level: Approx. -10 dBV |
| 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) |

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 and Power Consumption | DC power supply : DC12 V 880 mA, Approx. 10.6 W PoE (IEEE802.3af compliant) Device : DC48 V 220 mA, Approx. 10.6 W (Class 0 device) |
| Ambient Operating Temperature | -10 °C to +50 °C (14 °F to 122 °F) (Power On range: 0 °C to 50 °C{32°F to 122 °F}) |
| Shock Resistance | IK10 (IEC 62262) |
| Ambient Operating Humidity | 10 to 90 % (no condensation) |
| Dimensions | ø129.5 mm x 102.5 mm (H) {ø5-3/32 inches x 4-1/32 inches (H)} Dome radius 41.5 mm {1-5/8 inches} |
| Mass (approx.) | 800 g {1.77 lbs.} |
| Finish | Main body : Aluminum die cast, i-PRO white Outer fixing screws : Stainless steel (Corrosion-resistant treatment) Dome cover : Polycarbonate resin, Clear |

AI Analytics applications

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| AI Video Motion Detection (AI-VMD) | YES |
|------------------------------------|-----|

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|------------------------|-----|
| AI Privacy Guard | YES |
| AI Face Detection | YES |
| AI People Detection | YES |
| AI Vehicle Detection | YES |
| AI Non mask Detection | YES |
| AI Occupancy Detection | YES |

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-CR1S
Dome Cover



WV-QWL501-W
Mount Bracket



WV-QSR501-W
Mount Bracket



WV-QWL500-W
Mount Bracket



WV-QIB500-W
Mount Bracket



PAPM4W
Pole Mount Bracket



PACA4W
Corner Mount Adapter
Bracket



WV-QCL501-W
Mount Bracket



WV-QCL101-W
Mount Bracket



WV-QEM100-W
Mount Bracket

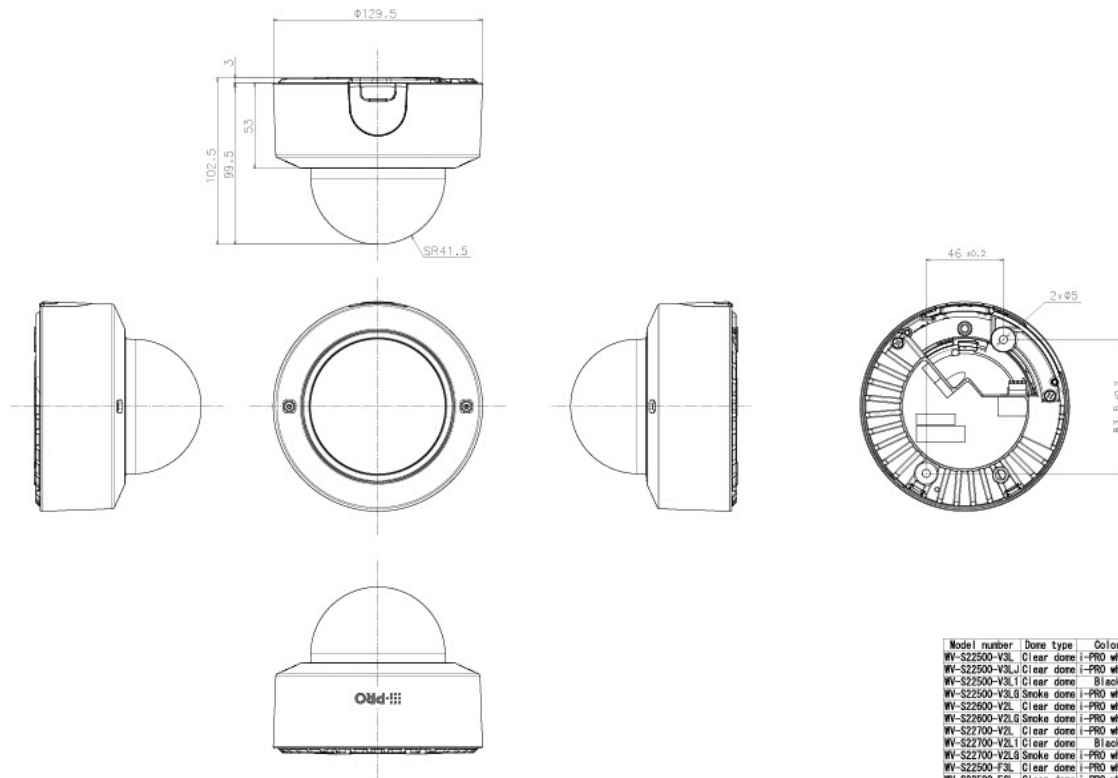


WV-Q105A
Mount Bracket



WV-QAT500-W
Attachment pipe

APPEARANCE



| Model number | Dome type | Color | Lower cover coating |
|----------------|------------|-------------|---------------------|
| WV-S22500-V3L | Clear dome | i-PRO white | No |
| WV-S22500-V3LJ | Clear dome | i-PRO white | No |
| WV-S22500-V3Li | Clear dome | Black | Black |
| WV-S22500-V3L8 | Smoke dome | i-PRO white | No |
| WV-S22600-V2L | Clear dome | i-PRO white | No |
| WV-S22600-V2L8 | Smoke dome | i-PRO white | No |
| WV-S22700-V2Li | Clear dome | i-PRO white | No |
| WV-S22700-V2Li | Clear dome | Black | Black |
| WV-S22700-V2L8 | Smoke dome | i-PRO white | No |
| WV-S22500-F3L | Clear dome | i-PRO white | No |
| WV-S22500-F3Li | Clear dome | i-PRO white | No |

Mass : Approx. 800 g [1.77 lbs]