

WV-S2536LGNA

2MP (1080p) IR Outdoor Vandal Dome Network Camera with AI Engine

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 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) x 3.13 mm (V) {7/32 inches (H) x 1/8 inches (V)}
Minimum Illumination	<p>Color :</p> <p>0.018 lx (30IRE, F1.3, 1/30s, AGC:11)* 0.025 lx (50IRE, F1.3, 1/30s, AGC:11) 0.0016 lx (50IRE, F1.3, 16/30s, AGC:11)*</p> <p>BW :</p> <p>0 lx (50IRE, F1.3, 1/30s, AGC:11, IR LED: On) 0.017 lx (50IRE, F1.3, 1/30s, AGC:11) 0.0011 lx (50IRE, F1.3, 16/30s, AGC:11)*</p> <p>*Converted value</p>
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 : 50 m {Approx. 164 ft} (30IRE) / 35 m {Approx. 116 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	<p>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</p> <p>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</p>

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	3.1x (Motorized zoom / Motorized Focus)
Extra zoom	3.1x - 9.3x (when resolution is 640 x 360)
Focal Length	2.9 - 9 mm {1/8 inches - 11/32 inches}
Angular Field of View	[16 : 9 mode] Horizontal : 36° (TELE)113° (WIDE), Vertical : 20° (TELE)60° (WIDE) [4 : 3 mode] Horizontal : 26° (TELE)82° (WIDE), Vertical : 20° (TELE)60° (WIDE)
Maximum Aperture Ratio	1 : 1.3 (WIDE) 1 : 2.5 (TELE)
Focusing Range	0.3 m {11-13/16 inches} - ∞

DORI	
Detect (25ppm / 8ppf)	Wide: 25.4m / 83.4 ft, Tele: 118.2 m / 387.7 ft
Observe (62.5ppm / 19ppf)	Wide: 10.2 m / 33.4 ft, Tele: 47.3 m / 155.1 ft
Recognize (125ppm / 38ppf)	Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft
Identify (250ppm / 76ppf)	Wide: 2.5m / 8.3 ft, Tele: 11.8 m / 38.8 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
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, TCP alarm notification output

Input/Output

Audio input	3.5 mm stereo mini jack
Audio Output	3.5 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

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 730 mA, Approx. 8.8 W PoE (IEEE802.3af compliant) Device : DC48 V 190 mA, Approx. 9.1 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	154 mm x 105 mm (H) { 6-1/16 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://Accessory Selector (i-pro.com).)



WV-QWL506-W
4-screw Wall Mount
Bracket



WV-QWL501-W
Mount Bracket



WV-QWL500-W
Mount Bracket



WV-QSR501-W
Mount Bracket



WV-QSR500-W
Sun Shade



WV-QPL500-W
Mount Bracket



WV-QJB504-W
Base Bracket



WV-QJB501-W
Base Bracket



WV-QJB500-W
Mount Bracket



WV-QEM500-W
Mount Bracket



WV-QCN500-W
Mount Bracket



WV-QCL501-W
Mount Bracket



WV-QCL101-W
Mount Bracket



WV-QCL100-W
Mount Bracket



WV-Q105A
Mount Bracket



WV-QCA501A
I/O Cable



WV-QCA500A
RJ45 Ethernet Cable



WV-CW7SN
Dome cover



WV-CW7S
Dome cover



WV-CW7CN
Dome cover



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-QDC504C
Dome Cover



WV-SDB256G
microSDXCメモリーカ
ード



WV-SDB128G
i-PRO SD Memory Card



WV-SDB064G
i-PRO SD Memory Card



[WV-SDB032G](#)
i-PRO SD Memory Card

APPEARANCE

