

# WV-S32302-F2LG

2MP Indoor Compact Dome Network Camera with AI engine

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



- 2MP Compact dome camera
- Up to 2 Edge AI analytic apps
- Discreet design
- Wide angle of view (Horizontal 132°)
- Built-in IR-LED (15m/49ft)
- Built-in microphone
- IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

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# 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>0.05 lx (30IRE, F2.1, 1/30s, AGC:11)*  0.07 lx (50IRE, F2.1, 1/30s, AGC:11)  0.0044 lx (50IRE, F2.1, 16/30s, AGC:11)*</p> <p>BW :</p> <p>0 lx (50IRE, F2.1, 1/30s, AGC:11, IR LED: On)  0.05 lx (50IRE, F2.1, 1/30s, AGC:11)  0.0031 lx (50IRE, F2.1, 16/30s, AGC:11)*</p> <p>*Converted value</p>
White Balance	ATW1/ ATW2/ AWC
Maximum shutter	60 fps/30 fps/15 fps mode: Max.1/10000s to Max.16/30s 50 fps/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. *1
Dynamic Range	144 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 : 15 m {Approx. 49 ft} (30IRE)*, 10 m {Approx. 33 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	<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 :  <a href="https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software">https://i-pro.com/products_and_solutions/en/surveillance/products/analytics-software</a>  3rd party applications are also available.  <a href="https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list">https://i-pro.com/products_and_solutions/en/surveillance/solutions/edge-ai-platform/application-list</a></p>

Privacy Zone	On/ Off, up to 8 zones available
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	
Optical zoom	1x
Extra zoom	max 3.0 x (when resolution is 640x360)
Digital (Electronic) zoom	-
Focal length	2.4mm {3/32inches}
Angular Field of View	[16:9 mode] Horizontal: 132° , Vertical: 74° [4:3 mode] Horizontal : 99°, Vertical : 74°
Maximum Aperture Ratio	1 : 2.1
Focus range	0.5 m {19-11/16 inches} -∞
Aperture range	F2.1

DORI	
Detect (25ppm / 8ppf)	17.1m / 56.1ft
Observe (62.5ppm / 19ppf)	6.8m / 22.4ft
Recognize (125ppm / 38ppf)	3.4m / 11.2ft
Identify (250ppm / 76ppf)	1.7m / 5.6ft

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

Adjusting Angle	
Adjusting Angle	Horizontal (PAN) angle: -45° to +45° , Vertical (TILT) angle: 0° to +90° Azimuth (YAW) angle: -90° to +90°

Browser GUI	
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *2	Microsoft Edge, Firefox, Google Chrome

Network	
Network IF	10BASE-T/100BASE-TX, RJ45 connector
Resolution	[16:9 mode(60 fps mode/ 30 fps mode/ 50 fps mode/ 25 fps mode)] 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 *3	[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 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 *4
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), AndroidTM mobile terminals
ONVIF®Profile	G / M / S / T

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

Input/Output	
Monitor Output	-

General	
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	0 °C to +40 °C {32 °F to 104 °F}
Ambient Operating Humidity	10 % to 90 % (no condensation)
Water and Dust Resistance	-
Shock Resistance	IK10 (IEC 62262)
Wind Resistance	-
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. 455g {1.00 lbs}
Finish	Main body: Aluminum die cast, i-PRO white Dome cover: PC resin, Smoke
Other	Tamper-resistant enclosure *5

## NOTES

\*1 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.

\*2 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.

\*3 Transmission for 4 streams can be individually set.

\*4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) .

\*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://Accessory Selector (i-pro.com).)



**WV-QWL500-W**  
Mount Bracket



**WV-QPL500-W**  
Mount Bracket



**WV-QJB502A-W**  
Mount Bracket



**WV-QJB500-W**  
Mount Bracket



**WV-QCN500-W**  
Mount Bracket



**WV-QCL101-W**  
Mount Bracket



**WV-QAT502-W**  
Gangbox Adapter



**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-QDC505C**  
Dome Cover



**WV-CW6SA**  
Dome Cover

## APPEARANCE

