

# WV-S35402-F2L1

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 (14m/46ft)
- Built-in microphone
- IP66, IK10 certified
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant

[Learn More](#)

ONVIF® | GMST

 Ambarella  
AI

 H.265  
H.264

 JPEG

 IR LED

 IP66  
Standard

 Vandal  
Resistant

# 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	<p>Color :</p> <p>0.07 lx (30IRE, F2.1, 1/30s, AGC:11)*  0.1 lx (50IRE, F2.1, 1/30s, AGC:11)  0.0063 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)  0.06 lx (50IRE, F2.1, 1/30s, AGC:11)  0.0038 lx (50IRE, F2.1, 16/30s, AGC:11)*</p> <p>*Converted value</p>
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 : 14 m {Approx. 46 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 Face Detection, AI People Detection, AI Vehicle Detection, AI 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)
<b>Lens</b>	
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
<b>DORI</b>	
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
<b>System on Chip (SoC)</b>	
System on Chip (SoC)	Ambarella CV25M
<b>Adjusting Angle</b>	
Adjusting Angle	Horizontal (PAN) angle: -45°to +45° , Vertical (TILT) angle: 0°to +90° Azimuth (YAW) angle: -90°to +90°
<b>Browser GUI</b>	
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *1	Microsoft Edge, Firefox, Google Chrome
<b>Network</b>	
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
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), 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
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### Input/Output

Monitor Output	-
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### 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	-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, BLACK Dome cover: PC resin, Clear
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://Accessory Selector (i-pro.com).)



**WV-QWL500-B**  
Mount Bracket



**WV-QPL500-B**  
Mount Bracket



**WV-QJB502A-B**  
Mount Bracket



**WV-QJB500-B**  
Mount Bracket



**WV-QCN500-B**  
Mount Bracket



**WV-QCL101-W**  
Mount Bracket



**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

