

WV-S35302-F2L

2MP Outdoor 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 (21m/69ft)
- Built-in microphone
- 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) × 3.13 mm (V) {7/32 inches (H) × 1/8 inches (V)}
Minimum Illumination	Color: 0.02 lx (30IRE, F2.1, 1/30 s), Color: 0.03 lx (50IRE, F2.1, 1/30 s) BW: 0.02 lx (50IRE, F2.1, 1/30 s), BW: 0 lx (50IRE, F2.1, 1/30 s with IR LED)
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: 21 m {Approx. 69 ft} (30IRE)*, 15 m {Approx. 49 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
Al Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break
Al Analytics	Al Video Motion Detection, Al Privacy Guard, Al Face Detection, Al People Detection, Al Vehicle Detection, Al Non mask Detection, Al Occupancy Detection, Al 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-lis
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)

Patra anam	Lens	
Which resolution is 640x360 Digital (Electronic) zoom	Optical zoom	1x
Facal length 2.4mm (3/20raches) Angular Field of View 1659 mode 1659 mode 1650 model 1241 1651 model 1650 model 1242 1651 model 1254 1651 model 1255 mod	Extra zoom	
Angular Field of View [16:9 mode]	Digital (Electronic) zoom	-
#mirromatal 132", Vertical: 24" [4-3 mode] Horizontal : 99", Vertical : 74" [4-3 mode] Horizontal : 99", Vertical : 74" Horizontal : 99", 99", 99", 99", 99", 99", 99", 99	Focal length	2.4mm {3/32inches}
Focus range 0.5 m [19-11]16 inches] → Aperture range 72.1 Dotter (25ppm / 8ppt) 72.1 m / 56.1ft Observe (62.5ppm / 18ppt) 6.8 m / 22.4ft Recognize (125ppm / 38ppt) 3.4 m / 11.2lt Identify (250ppm / 78ppt) 1.7 m / 5.6ft System on Chip (50C)	Angular Field of View	Horizontal: 132°, Vertical: 74° [4:3 mode]
Detect (25ppm / 8ppf) 172 m / 56.1ft	Maximum Aperture Ratio	1:2.1
Detect (25ppm / 8ppt) 171.mr / 56.lit Observe (62.5ppm / 19ppt) 5.8mr / 22.4ft Recognize (125ppm / 38ppt) 3.4m / 11.2ft Identify (250ppm / 76ppt) 1.7m / 5.6ft System on Chip (SoC) System on Chip (SoC) System on Chip (SoC) Ambarella CV25M Adjusting Angle Adjusting Angle Adjusting Angle Horizontal (PAN) angles -45"to +45", Vertical (Till') angles 0"to +90" Azimuth (YAW) angles -90"to +90" Browser GUI GUI / Setup Menu Language English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Browser 12 Microsoft Edge, Firefox, Google Chrome Network Network 169 model (91 ps model / 30 fps model / 50 fps model / 25 fps model) 1950x0180 / 1250x0160 / 1250x016 / 1250x	Focus range	0.5 m {19-11/16 inches} -∞
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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(60 fps mode) 11280x720/ 640x360/ 320x180 [4:3 mode(615 fps mode) 12.5 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(615 fps mode) 12.5 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA "Used by super resolution techniques H.265/H.264 Transmission Mode / Type [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 [COP(Group of pictures) control] Off Low (Variable GOP 4s-16s) / Advanced (Fixed GOP 60 seconds with 1 second key frame) / Frame rate control (Variable GOP 4s-16s) / Advanced (Fixed GOP 60 seconds with 1 second / *Advanced and Frame rate control or aronly available with H.265. [Smart VtQS] On(High) / On(Low) / Off (Smart P-picture control) On/Off (S	Adjusting Angle	
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Network IF 10BASE-T/100BASE-TX, R145 connector Resolution [16:9 mode (60 fps mode) 30 fps mode) 25 fps mode)] 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode) 12:5 fps mode)] 1920x1080/ 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode)] 2.5 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode)] 2.5 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA "Used by super resolution techniques Transmission Mode / Type [Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast JPEG [Image Quality] 10 steps [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, DNS, NTP, SNMPv1/v2/v3, UPPP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT	Browser *2	Microsoft Edge, Firefox, Google Chrome
Network IF 10BASE-T/100BASE-TX, RI45 connector Resolution [16:9 mode (60 fps mode) 30 fps mode) 25 fps mode)] 1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(30 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA "Used by super resolution techniques H.265/H.264 Transmission Mode / Type [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, DNS, DDNS, NTP, SNMPV1/v2/v3, UPPP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT	Network	
1920x1080/ 1280x720/ 640x360/ 320x180 [4:3 mode(30 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode)] 1280x960/ VGA/ QVGA [4:3 mode(15 fps mode)] 2048x1536* / 1280x960/ VGA/ QVGA *Used by super resolution techniques H.265/H.264 Transmission Mode / Type [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, STP, 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		10BASE-T/100BASE-TX, RJ45 connector
[Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast [Image Quality] 10 steps [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/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT	Resolution	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
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/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, FTP, SFTP, MQTT		
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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	Smart Coding	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
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	Audio Compression	G.726 (ADPCM): 32 kbps/16 kbps , G.711: 64 kbps , AAC-LC: 64kbps/96kbps/128kbps *4
No. of Simultaneous Users Up to 14 users (Depends on network conditions)	Supported Protocol	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,
	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 (V2.50 or later)
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	-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, i-PRO white / Front panel: PC resin, Clear
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)



WV-QWL500-W Mount Bracket



WV-QWL500-B Mount Bracket



WV-QPL500-W Mount Bracket



WV-QPL500-B Mount Bracket



WV-QJB502A-W Mount Bracket



WV-QJB502A-B Mount Bracket



WV-QJB500-W Mount Bracket



WV-QJB500-B Mount Bracket



WV-QCN500-W Mount Bracket



WV-QCN500-B Mount Bracket



WV-QAT502-W Gangbox Adapter



WV-QAT502-G Gangbox Adapter













WV-QDC505C 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

