

WV-X25580-F2LN2

5MP Vandal Resistant Corner Camera with AI engine

Anti-ligature corner camera with AI engine



- 5MP Corner camera
- Up to 3 Edge AI analytic apps
- Wide angle of view (Horizontal 131°)
- Equipped with IR LED invisible infrared rays (940nm)
- Built-in microphone (removable)
- IP66, IP67, IP69 certified, IK11+ (70J)*
- Optional base bracket for conduit wiring
- Built-in FIPS 140-2 Level 3 Certified SecureElement (EdgeLock® SE050F NXP® Semiconductors)
- NDAA Compliant, Made in Japan

*IK code is degree of protection provided by enclosures for electrical equipment against external mechanical impacts, defined up to IK11 (50J) in IEC 62262.

As this product has an impact resistance* of 70J which exceeds IK11, we express it as IK11+ (70J).

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	Color : 0.08 lx (30IRE, F2.2, 1/30s, AGC:11)* 0.11 lx (50IRE, F2.2, 1/30s, AGC:11) 0.0069 lx (50IRE, F2.2, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.2, 1/30s, AGC:11, IR LED: On) 0.07 lx (50IRE, F2.2, 1/30s, AGC:11) 0.0044 lx (50IRE, F2.2, 16/30s, AGC:11)* *Converted value
White Balance	ATW1/ ATW2/ AWC
Shutter Speed	—
Maximum Shutter	[30 fps/ 15 fps mode] Max. 1/10000 s to Max. 16/30 s [25 fps/ 12.5 fps mode] Max. 1/10000 s to Max. 16/25 s
Intelligent Auto	On/Off
Super Dynamic	On/Off (Range : 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 (Range : 0 to 31) *only when Super Dynamic/ Intelligent Auto: Off
Fog Compensation	On/Off (Range : 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	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
AI Sound Classification	Selectable from Gunshot, Yell, Vehicle horn, Glass break

Analytics	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 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
Max. Number of Applications	3
Privacy Zone	On/Off Up to 8 zones available
VIQS	On/Off Up to 8 zones available
Image Stabilizer	—
Camera Title (OSD)	On/Off Up to 40 characters, Up to 2 lines (alphanumeric characters, marks)

Lens

Optical Zoom	1x
Extra Zoom	max 4x (when resolution is 640 x 360)
Digital (electronic) Zoom	—
Focal Length	2.3mm {3/32 inches}
Angular Field of View	[16:9 mode] Horizontal: 131°, Vertical: 70° [4:3 mode] Horizontal: 131°, Vertical: 95°
Adjusting Angle	Vertical (TILT) angle: -5° to +5° Azimuth (YAW) angle: ±5°
Maximum Aperture Ratio	1:2.2
Focus Range	0.5m {1/32 inches} – ∞
Aperture Range	F2.2

DORI

Detect (25ppm / 8ppf)	23.3m {76.6 ft}
Observe (62.5ppm / 19ppf)	9.3m {30.6 ft}
Recognize (125ppm / 38ppf)	4.7m {15.3 ft}
Identify (250ppm / 76ppf)	2.3m {7.7 ft}

System on Chip

System on Chip (SoC)	Ambarella CV22
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Browser GUI

GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser *1	Microsoft Edge Firefox Google Chrome

Network

Network IF	10BASE-T/100BASE-TX, RJ45 connector
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Resolution	[16:9 mode (30fps mode)] [16:9 mode (25fps mode)] 3072x1728 / 2560x1440 / 1920x1080 / 1280x720 / 640x360 / 320x180 [4:3 mode (30fps mode)] [4:3 mode (25fps mode)] 3072x2304 / 2560x1920 / 1280x960 / 800x600 / VGA / 400x300 / QVGA
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
No. of Stream	4
JPEG (MJPEG) Image Quality	10 steps: 0(SUPER FINE) - 9(LOW)
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 Method *2	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, LLDP, 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, FTP, SFTP, LLDP, 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), Android™ terminals
ONVIF®Profile	G / S / T / M

Alarm

Alarm Source	3 terminals input, VMD alarm, SCD 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

Built-in Microphone	Nondirectional electret condenser microphone (removable)
Audio Input*3	ø3.5 mm stereo mini jack
Audio Output*3	ø3.5 mm stereo mini jack (Audio output is monaural.) Output impedance: Approx. 600 Ω (unbalanced) Output level: -20 dBV
External I/O Terminals*3	ALARM IN1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1) ALARM IN2 (Alarm input 2/ ALARM OUT) (x1) ALARM IN3 (Alarm input 3/ AUX OUT) (x1)
Monitor Output	Yes (for monitoring) 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 Issue 7 ClassA, EN55032 ClassA, EN55035
Power Source/Power Consumption	[Power Source] DC12 V PoE (IEEE802.3af compliant) [Power Consumption] DC12 V : 1.1A / Approx. 12.6W PoE DC 48 V : 240mA / Approx. 11.5 W (Class 0 device)
Ambient Operating Temperature	-40 °C to +55 °C {-40 °F to +131 °F} (Power On range: -20 °C to +55 °C {-4 °F to +131 °F}) * When using with the IR LED light constantly lit, the upper limit of the operating temperature range is +50 °C {+122 °F}.
Ambient Operating Humidity	10 % to 100 % (no condensation)
Water and Dust Resistance	IP69/ IP66/ IP67 (IEC 60529), Type 4X (UL50E), NEMA 4X compliant, IP6K9K (ISO 20653) compliant
Shock Resistance	IK11(IEC62262), 70J* *Tested for 70J impact resistance according to the IEC 62262 test method
Wind Resistance	Up to 40 m/s {approx. 89 mph}
Dimensions	197x128x138 mm (7-3/4inches(W) x 5-1/32inches(H) x 5-5/16inches(D))
Mass (approx.)	1.9kg {4.19lbs}
Finish	Main body: Stainless(Silver) + Aluminum die cast(Black paint) Dome cover: PC resin, Clear(with ClearSight coating)
Easy Kitting	Supported

NOTES

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

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

*3 When using with them, WV-QCA501A cable is required.

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-QJB506-B
Mount Bracket



WV-QDC509CN
Dome cover

APPEARANCE

