WV-U1142A

4MP Varifocal Lens Indoor Box Network Camera

New U-series compact network camera with enhanced functions and affordability

The new U series is an entry model that achieves high quality and reliability at an affordable price to meet the needs of a wide range of customers.

- 2688×1520 pixel image up to 30fps
- 2.5x built-in motorized zoom and motorized focus lens
- iA (intelligent Auto)
- Super Dynamic 102dB
- Color night vision (0.019 to 0.3 lx)
- H.265 Smart Coding
- Corridor mode (90 degrees or 270 degrees in image rotation)
- NDAA Compliant

SPECIFICATIONS

Camera	
Image Sensor	Approx. 1/2.7 type CMOS image sensor
Minimum Illumination	Color : 0.21 lx (30IRE, F2.0, 1/30s, AGC:11)* 0.3 lx (50IRE, F2.0, 1/30s, AGC:11) 0.019 lx (50IRE, F2.0, 16/30s, AGC:11)* BW : 0.12 lx (50IRE, F2.0, 1/30s, AGC:11) 0.0075 lx (50IRE, F2.0, 16/30s, AGC:11)* *Converted value
White Balance	AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
Maximum shutter	Max. 1/10000 s to Max. 16/30 s
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31.
Dynamic Range	Max. 102 dB (Super Dynamic: On, Level: 31)
Adaptive Black Stretch	—
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 / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
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
Privacy Zone	On / Off, Up to 8 zones available
Image Rotation	0 ° (Off) / 90 °/ 180 ° (Upside-down) / 270 °
Camera Title (OSD)	On / Off, Up to 20 characters (alphanumeric characters, marks)

Lens	
Focal length	2.9 mm – 7.3 mm{1/8inches-9/32inches}
Zoom ratio	2.5x Optical zoom (Motorized zoom / Motorized focus) 3.3x FHD Extra Optical Zoom (when resolution is 1920x1080)
Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4
Angular Field of View	[16 : 9 mode] *[4:3 mode] is not supported. Horizontal : 44° (TELE) – 103° (WIDE), Vertical : 25° (TELE) – 57° (WIDE)
Maximum Aperture Ratio	1 : 2.0 (WIDE) – 1 : 3.0(TELE)
Focus range	1 m {39-3/8 inches} – ∞

DORI	
Detect (25ppm / 8ppf)	Wide: 40.7 m /133.6 ft, Tele: 126.7 m / 415.8 ft
Observe (62.5ppm / 19ppf)	Wide: 16.3 m / 53.4 ft, Tele: 50.7 m / 166.3 ft
Recognize (125ppm / 38ppf)	Wide: 8.1 m / 26.7 ft, Tele: 25.3 m / 83.2 ft
Identify (250ppm / 76ppf)	Wide: 4.1 m / 13.4 ft, Tele: 12.7 m / 41.6 ft

Browser GUI	
Camera Control	Brightness
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese

Network	
Network IF	10Base-T / 100Base-TX, RJ45 connector
Resolution H.265/ H.264	[16 : 9 mode(2688x1520 30fps mode)], [16 : 9 mode(2688x1520 25fps mode)] 2688×1520, 1920×1080, 640×360, 320×180 [16:9 mode(30fps mode)], [16:9 mode(25fps mode)] 2560×1440, 1920×1080, 640×360, 320×180 *[4:3 mode] is not supported.
H.265/H.264	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	GOP(Group of pictures) control: On(Frame rate control) / On(Advanced) / On(Mid.) / On(Low) / Off *Frame rate control and Advanced are only available with H.265. AUTO VIQS: On/ Off

Audio Compression	—
Audio Transmission Mode	—
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, 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, MQTT, LLDP
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	Device Certificate GlobalSign® pre-installed, User authentication,Host authentication, HTTPS, 802.1X Support, Data encryption
SDXC/SDHC/SD Memory Card	H.265/H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC Compatible 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, AndroidTM terminals
ONVIF® Profile	G / S / T

Alarm	
Alarm Source	VMD alarm, SCD alarm, Command 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	-
Audio Output	-
External I/O Terminals	-
Monitor Output	-

General	
Safety	UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1
EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55035
Power Source and Power Consumption	PoE (IEEE802.3af compliant) Device : DC48 V 100 mA, Approx. 4.8 W (Class 2 device)
Ambient Operating Temperature	-10 °C to +50 °C (+14 °F to +122 °F) {Power On range: 0 °C to +50 °C (+32°F to +122 °F)}
Ambient Operating Humidity	10 to 90 % (no condensation)
Dimensions *Installing using the base bracket	59 mm (W) x 49 mm (H) x 116 mm (D) {2-5/16 inches (W) x 1-15/16 inches (H) x 4-9/16 inches (D)} (excluding side cover)
Mass (approx.)	200 g {0.44 lbs.}
Finish	Main body : PC / ABS resin, 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)

WV-QLR100-W
Light Rail Mount Bracket

WV-QCL102-W
Universal Camera Mount Bracket

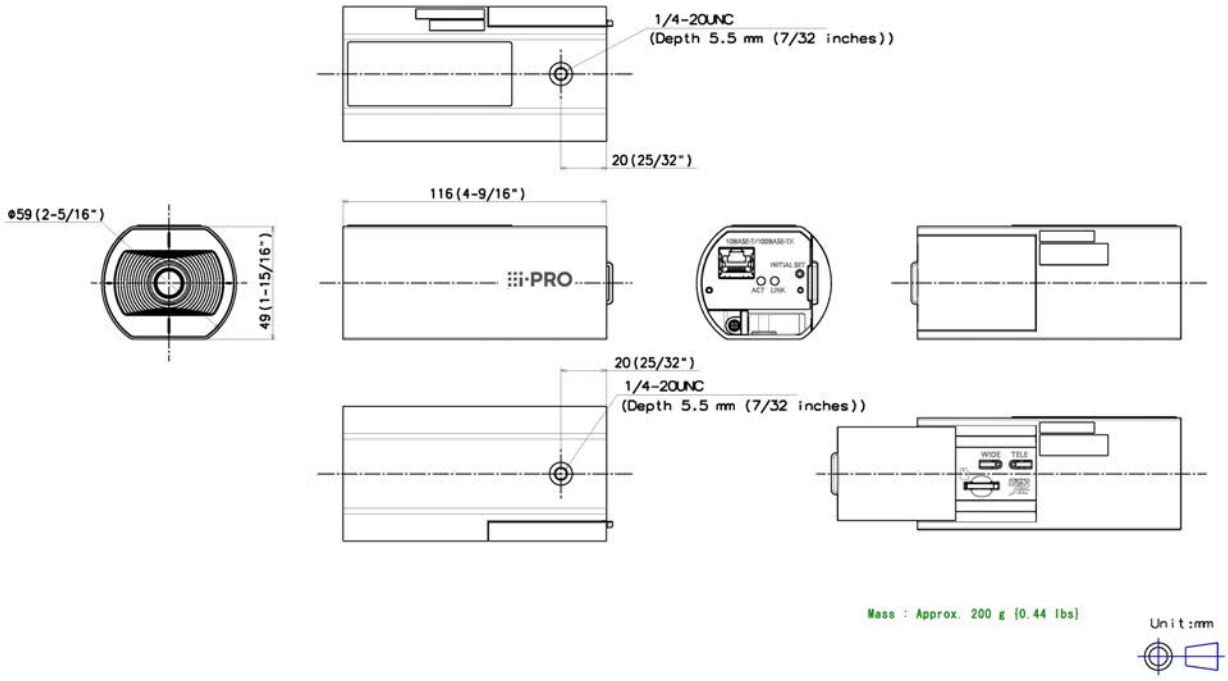
WV-SDB256G
i-PRO SD Memory Card

WV-SDB128G
i-PRO SD Memory Card

WV-SDB064G
i-PRO SD Memory Card

WV-SDB032G
i-PRO SD Memory Card

APPEARANCE



Mass : Approx. 200 g (0.44 lbs)

Unit:mm