⋮⋮i·PRO

WV-U2540LA

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

4MP Outdoor Dome Network Camera

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. The compact and slim design allows it to be installed in a various locations.
It newly supports ONVIF G / S / T profile and H.265 / H.264, and can be widely used for connecting various VMS and recorders. It also comes pre-installed with secure certificates, enabling device authentication and end-to-end communication encryption to counter the threat of advanced cyberattacks.

Key features

- Compact and slim design allows installation in various locations
- Compliant with ONVIF G / S / T profile and H.265 / H.264, and can support a wide range of connections to VMS and recorders
- Uses "Easy Kitting Packing" that allows you to set the camera without removing it from the box
- Strengthen cyber security by pre-installing digital certificates issued by a third party organization (GlobalSign)

Key i-PRO Spec.

• 5MP Sensor

• 2688×1520 pixel image up to 30fps

• 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)

• Built-in IR LED

• ONVIF® Profile G / S / T
  *ONVIF is a trademark of ONVIF, Inc.

• Genetec Stratocast compatible

Industry examples

• Safe Cities

• Transportation (Airport / Train, Subway station)

• Bank (ATM, Entrance)

• Retail / Logistics / Education / Hospital / Building

U series

Specifications

Camera	Image Sensor	Approx. 1/2.7 type CMOS image sensor
	Effective pixels	Approx. 5.2 megapixels, 2688(H)×1944(V)
	Minimum Illumination	Color : 0.3 lx, BW: 0.12 lx
		(50IRE, F2.0, Maximum shutter: Off (1/30s), AGC: 11)
		BW : 0 lx
		(50IRE, F2.0, Maximum shutter: OFF (1/30 s), AGC: 11, when the IR LED is lit)
		Color : 0.019 lx, BW: 0.0075 lx
		(50IRE, F2.0, Maximum shutter: max. 16/30s, AGC: 11) *1
	White Balance	ATW1/ ATW2/ AWC
	Maximum shutter	**[30fps mode]** Max. 1/10000 s to Max. 16/30 s
		[25fps mode] Max. 1/10000 s to Max. 16/25 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	The level can be set in the range of 0 to 255.
	Back light compensation /	BLC/ HLC/ Off, The level can be set in the range of 0 to 31.
	High light compensation	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: 20 m {Approx. 65 ft}
	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
	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 20 characters (alphanumeric characters, marks)
Lens	Focal length	3.2 mm{1/8 inches}
	Optical zoom	1x
	Extra zoom	1.0x - 1.3x(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 : 100°, Vertical : 54°
	Maximum Aperture Ratio	1 : 2.0
	Focus range	1 m {39-3/8 inches} – ∞
DORI	Detect (25ppm / 8ppf)	43.0 m / 141.0 ft
	Observe (62.5ppm / 19ppf)	17.2 m / 56.4 ft
	Recognize (125ppm / 38ppf)	8.6 m / 28.2 ft
	Identify (250ppm / 76ppf)	4.3 m / 14.1 ft
Adjusting Angle		Horizontal (PAN) angle: -175 °– +175 °, Vertical (TILT) angle: -30 °– +80 °
		Azimuth (YAW) angle: ±100°
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 port(AUTO) / Unicast port(MANUAL) / Multicast

	Max. frame rate for each stream*2	Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(2)
		2688x1520(30fps)	Off	Off	2560x1440(1fps)	1920x1080(1fps)
		2560x1440(30fps)	640x360(30fps)	Off	2560x1440(1fps)	1920x1080(1fps)
		1920x1080(30fps)	1920x1080(30fps)	640x360(10fps)	2560x1440(1fps)	1920x1080(1fps)

JPEG	Image Quality	10 steps

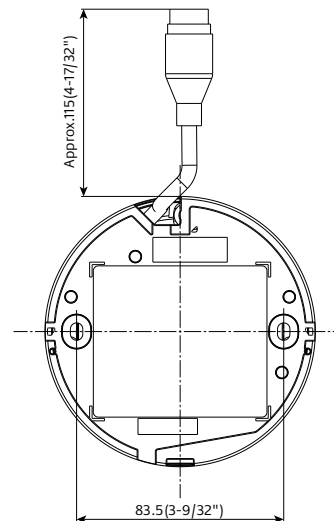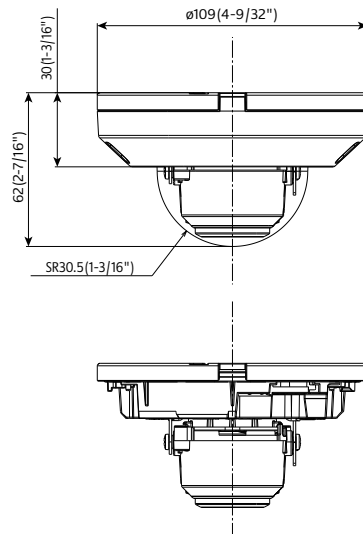| Network	Smart Coding	**GOP(Group of pictures) control**:
		On(Frame rate control) / On(Advanced) / On(Mid.) / On(Low)/ Off
		*Frame rate control and Advanced are only available with H.265.
		AUTO VIQS: On/ Off
	Audio Compression	—
	Audio transmission mode	—
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3,
		DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, MQTT*3, LLDP*3
		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*3, LLDP*3
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
	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, Android™ 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	Monitor Output(for adjustment)	—
	Audio input	—
	Audio Output	—
	External I/O Terminals	—
General	Safety	UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1
	EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024
	Power Source and Power Consumption	PoE (IEEE802.3af compliant) Device:
		DC48 V 110 mA, Approx. 5.3 W (Class 2 device)
	Ambient Operating Temperature	-30 °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)
	Anti-Condensation System	Temish element
	Water and Dust Resistance*4	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	ø109 mm (W) x 62 mm (H) {ø4-9/32 inches × 2-7/16 inches (H)}
		Dome radius 30.5 mm {1-3/16 inches}
	Mass (approx.)	270 g {0.60 lbs.}
	Finish	Main body : Aluminum die cast / Polycarbonate resin, i-PRO white
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)
		Dome cover : Polycarbonate resin, Clear

*1 Converted value

*2 Smart Coding(GOP and AUTO VIQS) is not available when setting 30fps.

*3 It may be necessary to upgrade the firmware to use these protocols.

*4 Only when installation work is properly performed according to the Installation Guide and appropriate waterproof treatment is performed.

Appearance

Unit : mm (inches)

Optional Accessories

Mount Bracket / Other

	WALL		POLE	CORNER
	1	2	1	1
combination	Wall Mount Bracket **WV-QWL500-W** (White)	Base bracket **WV-QJB502-W** (White)	Pole Mount Bracket **PAPM4W** (White)	Corner Mount Bracket **PACA4W** (White)
	Adapter Box **WV-QJB500-W** (White) *If needed.		Wall Mount Bracket **WV-QWL500-W** (White) (+ **WV-QJB500-W**)	Wall Mount Bracket **WV-QWL500-W** (White) (+ **WV-QJB500-W**)

	HANGING	CEILING	DOUBLE/OCTAGON GANG BOX
	1	1	1
combination	Ceiling Mount Bracket **WV-QCL101-W** *1 (White) *For indoor instalation only.	Base bracket **WV-QJB502-W** (White)	Gangbox Adapter **WV-QAT502-W** (White)
	This bracket requires 1 ½" NPT pipe.		

*1 : It's possible to be used on the camera side and ceiling side. If used on both side, 2pieces are required.

Dome Cover

Dome Cover (Smoke type) **WV-QDC500S**

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The Power of Truth