Panasonic
BUSINESS

WV-U1542LA

New U-series compact network camera with enhanced functions and affordability
4MP Varifocal Lens Outdoor Bullet 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
- 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)
- Built-in IR LED
- ONVIF Profile G / S / T
- Genetec Stratocast compatible

Industry examples

- Public safety (City / Highway toll / Parking gate)
- Transportation (Airport / Train / Subway)
- Retail / Bank / Logistics / Education / Hospital / Building

U series

::::i-PRO

Specifications

Camera		
Camera	Image Sensor	Approx. 1/2.7 type CMOS image sensor
	Minimum Illumination	Color : 0.3 lx, BW: 0.12 lx
		(50IRE, F2.0, Maximum shutter: Off (1/30s), AGC: 11)
		BW : 0 lx {0 footcandle}
		(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	—
	Back light compensation / High light compensation	BLC/ HLC/ Off
		(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 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}
	Optical zoom	2.5x (Motorized zoom / Motorized focus)
	Extra optical zoom	2.5x - 3.3x (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 : 44° (TELE) – 103° (WIDE), Vertical : 25° (TELE) – 57° (WIDE)
	Maximum Aperture Ratio	1 : 2.0 (WIDE) – 1 : 3.0(TELE)
	Focusing 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
Adjusting Angle	Ceiling mounting	Horizontal: ±180 ° (Adjust by horizontal (PAN) angle)
		Vertical : 0 ° to 100 ° (Adjust by vertical (TILT) angle)
		Yaw : –190 ° to +100 ° (Adjust by azimuth (YAW) angle)
	Wall mounting	Horizontal: ±100 ° (Adjust by vertical (TILT) angle)*
		Vertical : ±100 ° (Adjust by vertical (TILT) angle)*
		Yaw : –190 ° to +100 ° (Adjust by azimuth (YAW) angle)
		*You can change between horizontal and vertical angels by adjusting the horizontal (PAN) angle.
Browser GUI	Camera Control	Brightness
	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese

*1 Converted value
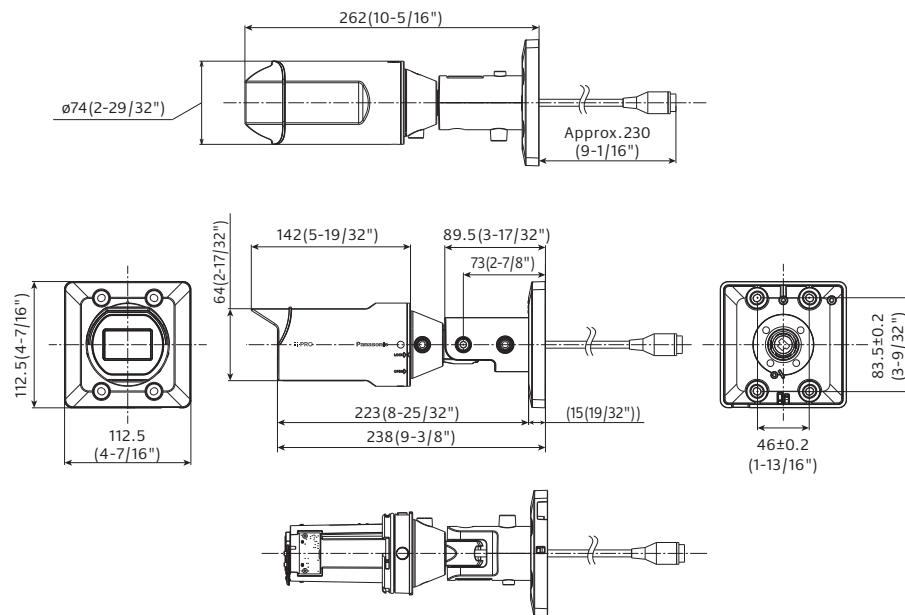*2 Smart Coding(GOP and AUTO VIQS) is not available when setting 30fps.
*3 Only when installation work is properly performed according to the Installation Guide and appropriate waterproof treatment is performed.

Network						
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			
		Max. frame rate for each stream*2	Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(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)

Network (cont.)		
	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*4, LLDP*4
		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*4, LLDP*4
	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, Panasonic alarm protocol 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 150 mA, Approx. 7.2 W (Class 0 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 Systeme	Temish element
	Water and Dust Resistance*3	IP66 (IEC 60529), Type 4X (UL50E), NEMA 4X compliant
	Shock Resistance	IK10 (IEC 62262)
	Dimensions	112.5 mm (W) x 112.5 mm (H) x 262 mm (D)
		{4-7/16 inches(W) x 4-7/16 inches(H) x 10-5/16 inches(D)}
	Mass (approx.)	860 g {1.90 lbs.}
	Finish	Main body: Aluminum die cast/ PC resin, i-PRO white
		Outer fixing screws: Stainless steel (Corrosion-resistant treatment)
		Front cover: Polycarbonate resin, Clear

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

Appearance

Unit : mm (inches)

262(10-5/16")
ø74(2-29/32")
Approx.230 (9-1/16")

64(2-17/32")
142(5-19/32")
89.5(3-17/32")
73(2-7/8")
112.5(4-7/16")
112.5 (4-7/16")
223(8-25/32")
238(9-3/8")
(15(19/32"))
83.5±0.2 (3-9/32")
46±0.2 (1-13/16")

Without front cover

Optional Accessories

■ Mount Bracket / Other

	WALL/CEILING	POLE	CORNER	HANGING
	1	1	1	1
combination	Adapter Box **WV-QJB500-W** (White) *If needed.	Pole Mount Bracket **PAPM4W** (White)	Corner Mount Bracket **PACA4W** (White)	Ceiling Mount Bracket **WV-QCL101-W** *1 (White) *For indoor installation only.
		Adapter Box **WV-QJB500-W** (White) *If needed.	Adapter Box **WV-QJB500-W** (White) *If needed.	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.