Panasonic
BUSINESS

WV-U2532LA

New U-series compact network camera with enhanced functions and affordability
Full HD Varifocal Lens 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.

- Full HD 1080p up to 30fps
- 2.5x built-in motorized zoom and motorized focus lens
- iA (intelligent Auto)
- Super Dynamic 120dB
- Color night vision (0.006 to 0.1 lx)
- H.265 Smart Coding
- Corridor mode
  (90 degrees or 270 degrees in image rotation)
- Built-in IR LED
- ONVIF Profile G / S / T

Industry examples

- Safe Cities
- Transportation (Airport / Train, Subway station)
- Bank (ATM, Entrance)
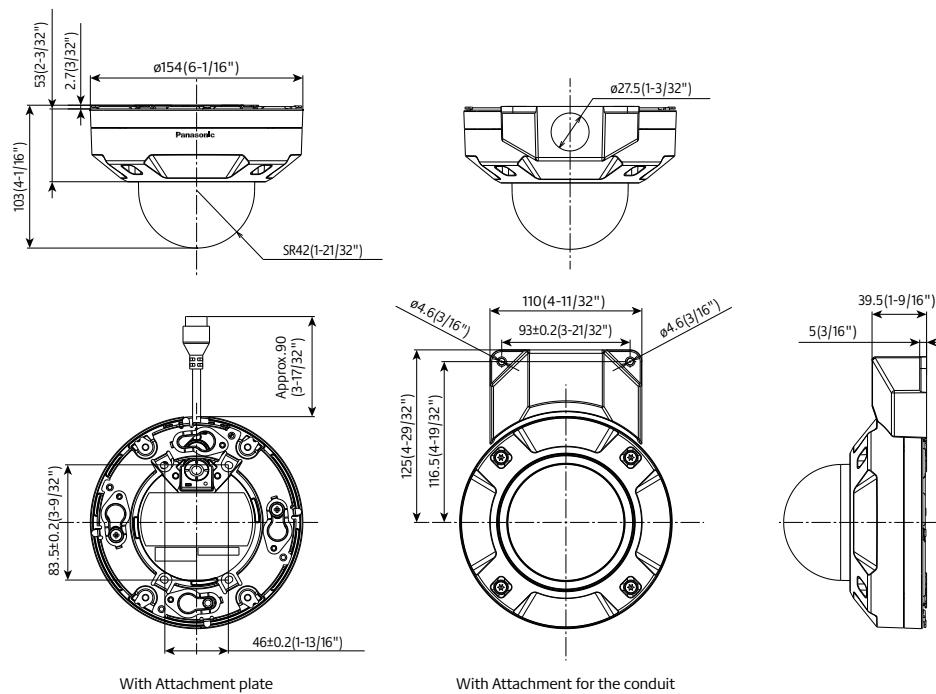- Retail / Logistics / Education / Hospital / Building

U series

:::i-PRO

Specifications

Camera	Image Sensor	Approx. 1/3 type CMOS image sensor
	Minimum Illumination	Color : 0.1 lx, BW: 0.04 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 : 0.006 lx, BW: 0.0025 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.120 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: 30 m {Approx. 100 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 *2	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 – 3.8x (when resolution is 1280x720)
	Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4
	Angular Field of View	[16 : 9 mode] Horizontal : 43° (TELE) – 100° (WIDE), Vertical : 24° (TELE) – 55° (WIDE) [4 : 3 mode] Horizontal : 35° (TELE) – 82° (WIDE), Vertical : 27° (TELE) – 61° (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: 36.8 m /120.8 ft, Tele: 101.5 m / 333.0 ft
	Observe (62.5ppm / 19ppf)	Wide: 14.7 m / 48.3 ft, Tele: 40.6 m / 133.2 ft
	Recognize (125ppm / 38ppf)	Wide: 7.4 m 24.2 ft, Tele: 20.3 m / 66.6 ft
	Identify (250ppm / 76ppf)	Wide: 3.7 m / 12.1 ft, Tele: 10.1 m / 33.3 ft
Adjusting Angle	Ceiling mounting	—
	Wall mounting	—
Browser GUI	Camera Control	Brightness
	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese

*1 Converted value
*2 When "4:3(30fps mode)" or "4:3(25fps mode)" is selected for "Image capture mode", "90 °" and "270 °" cannot be selected.
*3 Smart Coding (GOP and AUTO VIQS) is not available when setting 30fps.
*4 Only when installation work is properly performed according to the Installation Guide and appropriate waterproof
　　treatment is performed.

Network	Network IF	10Base-T / 100Base-TX, RJ45 connector				
	Resolution	[16 : 9 mode] 1920×1080, 1280×720, 640×360, 320×180				
	H.265/H.264	[4 : 3 mode] 1600×1200, 1280×960, VGA, QVGA				
	H.265/		Constant bit rate / VBR / Frame rate / Best effort			
	H.264	Transmission Mode	Unicast / Multicast			
		Transmission Type	Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(2)
		Max. frame rate for each stream*3	1920x1080(30fps)	640x360(30fps)	Off	1920x1080(1fps)	1280x720(1fps)
			1280x720(30fps)	1280x720(30fps)	Off	1920x1080(1fps)	1280x720(1fps)
			1600x1200(30fps)	640x480(30fps)	Off	1600x1200(1fps)	1280x960(1fps)
	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 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				
	No. of Simultaneous Users		Up to 14 users (Depends on network conditions)				
	SDXC/SDHC/SD Memory Card (Option)		H.265/H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC Available 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 140 mA, Approx. 6.7 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 System		Temish element				
	Water and Dust Resistance*4		IP66 (IEC 60529), Type 4X (UL50E), NEMA 4X compliant				
	Shock Resistance		IK10 (IEC 62262)				
	Dimensions		ø154 mm (W) x 103 mm (H) {ø6-1/16 inches × 4-1/16 inches (H)} Dome radius 42 mm {1-21/32 inches}				
	Mass (approx.)		1.0 kg {2.21 lbs.}				
	Finish		Main body: Aluminum die cast/ PC resin, i-PRO white Outer fixing screws: Stainless steel (Corrosion-resistant treatment) Dome cover: Polycarbonate resin, Clear				

Appearance

Unit : mm (inches)

With Attachment plate

With Attachment for the conduit

Optional Accessories

■ Mount Bracket / Other

	WALL			POLE		CORNER	
	1	2	3	1	2	1	2
combination	Wall Mount Bracket **PWM485W** (White)	Wall Mount Bracket **WV-QWL500-W** (White)	Sun Shade **WV-QSR500-W** (White)	Pole Mount Bracket **PAPM4W** (White)		Corner Mount Bracket **PACA4W** (White)	
	Conduit Adapter **PAPM6** (Black) *If needed.	Adapter Box **WV-QJB500-W** (White) *If needed.	Base Bracket **WV-QJB501-W** (White)	Wall Mount Bracket **PWM485W** (White)	Wall Mount Bracket **WV-QWL500-W** (White) (+ **WV-QJB500-W**) +	Wall Mount Bracket **PWM485W** (White)	Wall Mount Bracket **WV-QWL500-W** (White) (+ **WV-QJB500-W**) +

	HANGING			PARAPET	CEILING		
	1	2	3	1	1	2	3
combination	Ceiling Mount Bracket **WV-QCL501-W** (White)	Ceiling Mount Bracket **WV-QCL101-W** (White) *For indoor instalation only.	Ceiling Mount Bracket **WV-QCL101-W** *1 (White) *For indoor instalation only.	Parapet Mount Bracket **PPRM35W** (White)	Ceiling Mount Bracket (Embedded) **WV-QEM500-W** (White)	Base Bracket **WV-QJB501-W** (White)	Ceiling Mount Bracket **WV-Q105A** *For indoor instalation only.
	Mount Bracket **WV-QSR501-W** (White)	Mount Bracket **PS485W** (White)	This bracket requires 1 ½" NPT pipe.	Mount Bracket **PS485W** (White)			

*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-CW7S**	Dome Cover (Smoke type with ClearSight coating) **WV-CW7SN**	Dome Cover (Clear type with ClearSight coating) **WV-CW7CN**