Panasonic
BUSINESS

WV-U2530LA

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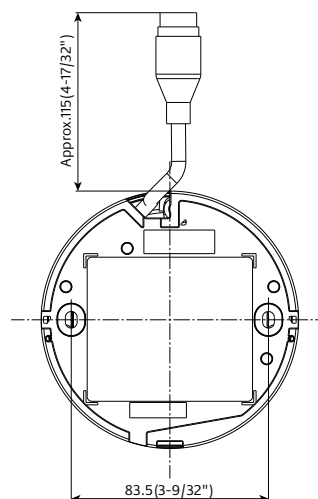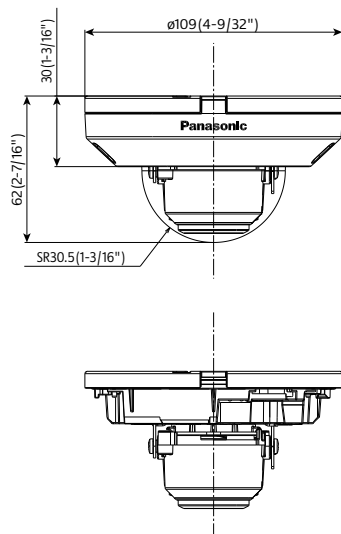
Specifications

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
		    (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	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 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: 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 area available
	Privacy Zone	On / Off, Up to 8 zones available
	VIQS	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	3.2 mm {1/8 inches}
	Optical zoom	1x
	Extra zoom	1.0x - 1.5x(when resolution is 1280x720)
	Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4
	Angular Field of View	[16 : 9 mode] Horizontal : 100°, Vertical : 54° [4 : 3 mode] Horizontal : 81°, Vertical : 60°
	Maximum Aperture Ratio	1 : 2.0
	Focusing Range	1 m {39-3/8 inches} – ∞
DORI	Detect (25ppm / 8ppf)	37.5 m / 122.9 ft
	Observe (62.5ppm / 19ppf)	15.0 m / 49.2 ft
	Recognize (125ppm / 38ppf)	7.5 m / 24.6 ft
	Identify (250ppm / 76ppf)	3.7 m / 12.3 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] 1920×1080, 1280×720, 640×360, 320×180 [4 : 3 mode] 1600×1200, 1280×960, VGA, QVGA
	H.265/ H.264 — Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
	H.265/ H.264 — Transmission Type	Unicast port(AUTO) / Unicast port(MANUAL) / Multicast

	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

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
		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 100 mA, Approx. 4.8 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 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.

Appearance

Unit : mm (inches)

Optional Accessories

■ Mount Bracket / Other

	WALL		POLE	CORNER
	1	2	1	1
combination	Wall Mount Bracket **WV-QWL500-W** (i-PRO white)	Base bracket **WV-QJB502-W** (i-PRO white)	Pole Mount Bracket **WV-QPL500-W** (i-PRO white)	Corner Mount Bracket **WV-QCN500-W** (i-PRO white)
combination	Adapter Box **WV-QJB500-W** (i-PRO white) *If needed.		Wall Mount Bracket **WV-QWL500-W**(i-PRO white) (+ **WV-QJB500-W**) +	Wall Mount Bracket **WV-QWL500-W**(i-PRO white) (+ **WV-QJB500-W**) +

	HANGING	CEILING
	1	1
combination	Ceiling Mount Bracket **WV-QCL100-W** [*1] (i-PRO white) *For indoor installation only	Base bracket **WV-QJB502-W** (i-PRO white)
combination	3rd.parties 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**