

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
- Genetec Stratocast compatible

Industry examples

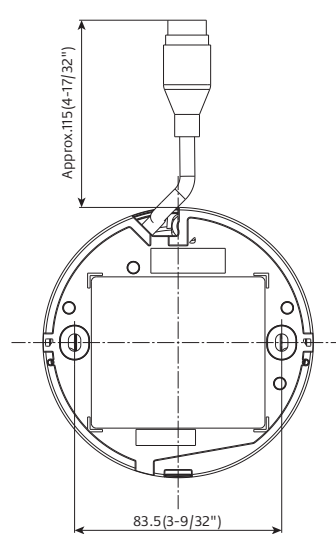
- Safe Cities
- Transportation (Airport / Train, Subway station)
- Bank (ATM, Entrance)
- Retail / Logistics / Education / Hospital / Building



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 / High light compensation	BLC/ HLC/ Off, The level can be set in the range of 0 to 31. The level can be set in the range of 0 to 31.																			
	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																			
Lens	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)																			
	Focal length	3.2 mm{1/8 inches}																			
	Optical zoom	1x																			
	Extra zoom	1.0x - 1.3x(when resolution is 1920x1080)																			
DORI	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																			
	Focusing Range	1 m {39~3/8 inches} - ∞																			
	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																			
Adjusting Angle	Identify (250ppm / 76ppf)	4.3 m / 14.1 ft																			
		Horizontal (PAN) angle: -175 °~ +175 °, Vertical (TILT) angle: -30 °~ +80 ° Azimuth (YAW) angle: ±100°																			
	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	[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⁾	<table border="1"> <thead> <tr> <th>Stream(1)</th> <th>Stream(2)</th> <th>Stream(3)</th> <th>JPEG(1)</th> <th>JPEG(2)</th> </tr> </thead> <tbody> <tr> <td>2688x1520[30fps]</td> <td>Off</td> <td>Off</td> <td>2560x1440[1fps]</td> <td>1920x1080[1fps]</td> </tr> <tr> <td>2560x1440[30fps]</td> <td>640x360[30fps]</td> <td>Off</td> <td>2560x1440[1fps]</td> <td>1920x1080[1fps]</td> </tr> <tr> <td>1920x1080[30fps]</td> <td>1920x1080[30fps]</td> <td>640x360[10fps]</td> <td>2560x1440[1fps]</td> <td>1920x1080[1fps]</td> </tr> </tbody> </table>	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]
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JPEG	Image Quality																				
	10 steps																				

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








Appearance






Unit : mm (inches)

Optional Accessories

Mount Bracket / Other

WALL		POLE	CORNER
1	2	1	1
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
Ceiling Mount Bracket WV-QCL101-W *1 (White)  *For indoor installation only.	Base bracket WV-QJB502-W (White) 	Gangbox Adapter WV-QAT502-W (White) 
This bracket requires 1 1/2" 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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Important

- Safety Precautions : Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
- Panasonic i-PRO Sensing Solutions 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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(2A-298L-R1)