∷i·PRO

WV-U2130LA

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

2MP (1080p) Indoor 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.

• 2MP (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
  *ONVIF is a trademark of ONVIF, Inc.

• Genetec Stratocast compatible

Industry examples

• Retail

• Education

• Public safety

• Bank / Hospital / Building

U series

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 : 97°
		Vertical : 53°
		[4 : 3 mode] Horizontal : 71°
		Vertical : 53°
	Maximum Aperture Ratio	1 : 2.0
	Focus 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

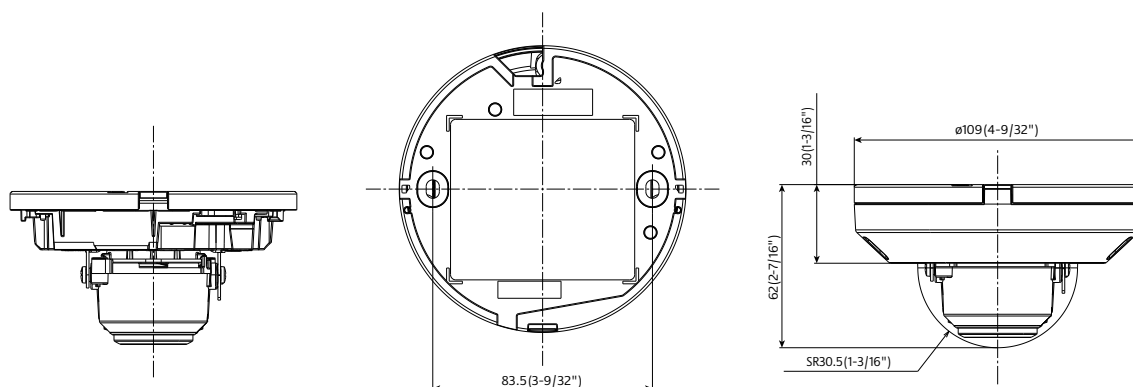| Network	Network IF	10Base-T / 100Base-TX, RJ45 connector				
	Resolution H.265/H.264	**[16 : 9 mode]** 1920×1080, 1280×720, 640×360, 320×180				
		[4 : 3 mode] 1600×1200, 1280×960, VGA, QVGA				
H.265/ H.264	Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort				
	Transmission Type	Unicast port(AUTO) / Unicast port(MANUAL) / Multicast				
	Max. frame rate for each stream*3	Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(2)
		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, 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,				
		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 100 mA, Approx. 4.8 W (Class 2 device)				
	Ambient Operating Temperature	-10 °C to +50 °C (+14 °F to +122 °F)				
		{Power On Range: 0 °C to +50 °C (+32°F to +122 °F)}				
	Ambient Operating Humidity	10 to 90 % (no condensation)				
	Dimensions	ø109 mm x 62 mm (H) {ø4-9/32 inches x 2-7/16 inches (H)}				
		Dome radius 30.5 mm {1-3/16 inches}				
	Mass (approx.)	250 g {0.55 lbs}				
	Finish	Main body : Aluminum die cast / Polycarbonate resin, i-PRO white				
		Dome section : 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 It may be necessary to upgrade the firmware to use these protocols.

Appearance

Unit : mm (inches)

83.5(3-9/32")

30(1-3/16")
ø109(4-9/32")
62(2-7/16")
SR30.5(1-3/16")

Optional Accessories

■ Mount Bracket / Other

	WALL		POLE	CORNER	HANGING	CEILING
	1	2	1	1	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)	Ceiling Mount Bracket **WV-QCL100-W** *1 (i-PRO white)	Base bracket **WV-QJB502-W** (i-PRO white)
	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**)	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**

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Important
– Safety Precautions : Carefully read the Basic Information, Installation Guide and
  Operating Instructions before using this product.
– i-PRO 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.

⋮⋮i-PRO
The Power of Truth