:::i·PRO

WV-U2132LA

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

2MP (1080p) Varifocal Lens 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

• 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
  *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	—
	Back light compensation / High light compensation	BLC (Back light compensation) / HLC (High light compensation) / 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) – 56° (WIDE)
		[4 : 3 mode] Horizontal : 36° (TELE) – 83° (WIDE)
		Vertical : 27° (TELE) – 62° (WIDE)
	Maximum Aperture Ratio	1 : 2.0 (WIDE) – 1 : 3.0 (TELE)
	Focus range	1 m {39-3/8 inches} – ∞
DORI	Detect (25ppm / 8ppf)	Wide: 36.2 m /118.7 ft, Tele: 98.5 m / 323.1 ft
	Observe (62.5ppm / 19ppf)	Wide: 14.5 m / 47.5 ft, Tele: 39.4 m / 129.2 ft
	Recognize (125ppm / 38ppf)	Wide: 7.2 m / 23.7 ft, Tele: 19.7 m / 64.6 ft
	Identify (250ppm / 76ppf)	Wide: 3.6 m / 11.9 ft, Tele: 9.8 m / 32.3 ft
Adjusting Angle		Horizontal (PAN) angle: ±180°, Vertical (TILT) angle: -30 °– +85 ° 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 / Multicast

		Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(2)
Network	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				

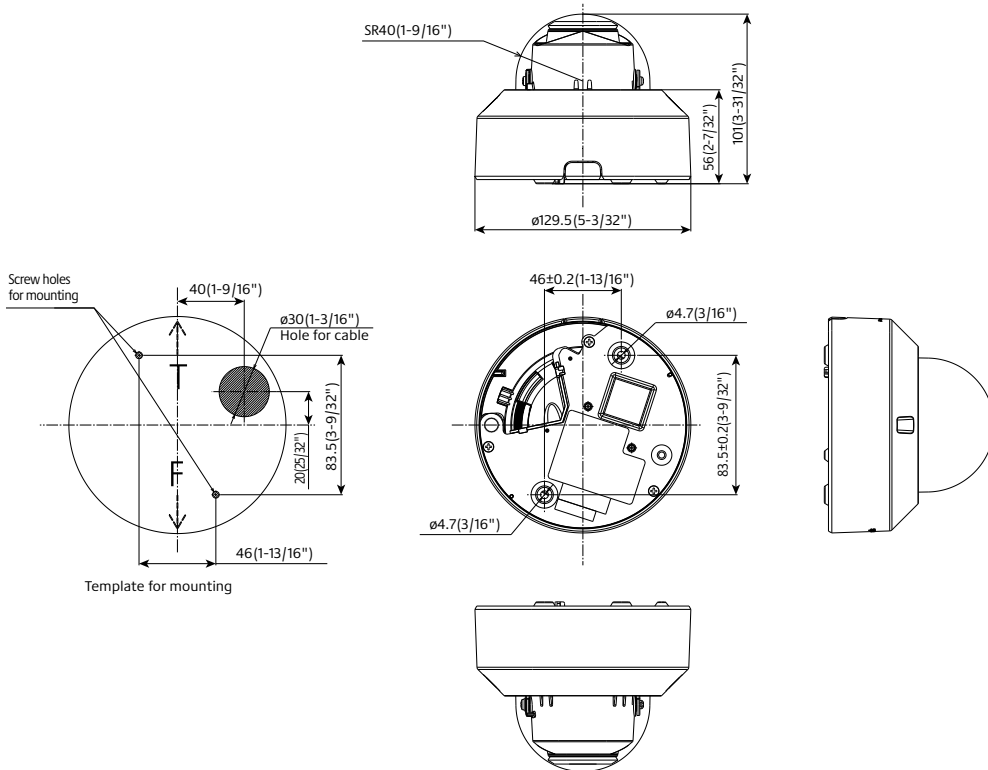| Network	Smart Coding	**GOP(Group of pictures) control**: On(Frame rate control) / On(Advanced) / On(Mid) / On(Low) / Off *Frame rate control and Advanced are only available with H.265. **AUTO VIQS**: On/ Off
	Audio Compression	—
	Audio transmission mode	—
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, 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 120 mA, Approx. 5.8 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	ø129.5 mm x 101 mm (H) {ø5-3/32 inches x 3-31/32 inches (H)} Dome radius 40 mm {1-9/16 inches}
	Mass (approx.)	Approx. 350 g {0.77 lbs}
	Finish	Main body : ABS resin, i-PRO white Dome cover : acrylic 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)

SR40(1-9/16")

101(3-31/32")

56 (2-7/32")

ø129.5(5-3/32")

Screw holes for mounting

40(1-9/16")

ø30(1-3/16") Hole for cable

83.5(3-9/32")

20(25/32")

46(1-13/16")

Template for mounting

46±0.2(1-13/16")

ø4.7(3/16")

83.5±0.2(3-9/32")

ø4.7(3/16")

Optional Accessories

■ Mount Bracket / Other

	WALL		POLE	CORNER
	1	2	1	1
combination	Wall Mount Bracket **WV-QWL500-W** (White)	Wall Mount Bracket **WV-QWL501-W** (White)	Pole Mount Bracket **PAPM4W** (White)	Corner Mount Bracket **PACA4W** (White)
	Adapter Box **WV-QJB500-W** (White) *If needed.	Mount Bracket **WV-QSR501-W** (White)	Wall Mount Bracket **WV-QWL500-W**(White) (+ **WV-QJB500-W**) +	Wall Mount Bracket **WV-QWL500-W**(White) (+ **WV-QJB500-W**) +

	HANGING		CEILING	
	1	2	1	2
combination	Ceiling Mount Bracket **WV-QCL501-W** (White)	Ceiling Mount Bracket **WV-QCL101-W** *1 (White)	Ceiling Mount Bracket **WV-Q105A**	Ceiling Mount Bracket (Embedded) **WV-QEM100-W** (White)
	Mount Bracket **WV-QSR501-W** (White)	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.

■ Dome Cover

Dome Cover (Smoke type)
WV-CF5SA

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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.