Panasonic
BUSINESS

WV-U1130A

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

Full HD Indoor Box 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)
• ONVIF Profile G / S / T

Industry examples

• Retail
• Education
• Public safety
• Bank / 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)
		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 /	BLC (Back light compensation) / HLC (High light compensation) / Off
	High light compensation	The level can be set in the range of 0 to 31.
		(only when Super dynamic / Intelligent Auto: Off)
	Fog compensation	On / Off (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 / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	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 : 102°, Vertical : 55°
		[4 : 3 mode]
		Horizontal : 83°, Vertical : 61°
	Maximum Aperture Ratio	1 : 2.0
	Focusing Range	1 m {39-3/8 inches} – ∞
DORI	Detect (25ppm / 8ppf)	36.2 m / 118.7 ft
	Observe (62.5ppm / 19ppf)	14.5 m / 47.5 ft
	Recognize (125ppm / 38ppf)	7.2 m / 23.7 ft
	Identify (250ppm / 76ppf)	3.6 m / 11.9 ft
Browser GUI	Camera Control	Brightness
	GUI /	English, Italian, French, German, Spanish, Portuguese, Russian,
	Setup Menu Language	Chinese, Japanese
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/ 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)
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
		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 80 mA, Approx. 3.8 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 *Installing using the base bracket	59 mm (W) x 49 mm (H) x 116 mm (D) {2-5/16 inches (W) x 1-15/16 inches (H) x 4-9/16 inches (D)} (excluding side cover)
	Mass (approx.)	150 g {0.33 lbs.}
	Finish	Main body: PC / ABS resin, i-PRO white

*1 Converted value
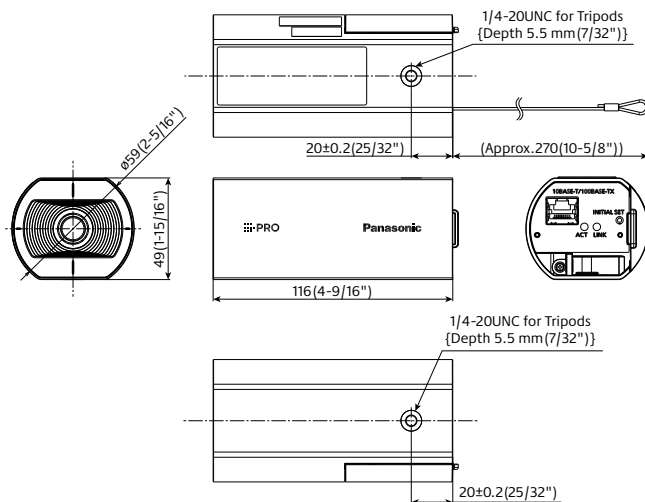*2 When "4:3(30fps mode)" or "4:3(25fps mode)" is selected for "Image capture mode",
　 "90 °" and "270 °" cannot be selected.
*3 Smart Coding(GOP and AUTO VIQS) is not available when setting 30fps.

Appearance

Unit : mm (inches)

1/4-20UNC for Tripods {Depth 5.5 mm(7/32")}

Ø59(2-5/16")
49(1-15/16")
116(4-9/16")
20±0.2(25/32")
(Approx.270(10-5/8"))

10BASE-T/100BASE-TX
INITIAL SET
ACT LINK

i-PRO   Panasonic

1/4-20UNC for Tripods {Depth 5.5 mm(7/32")}
20±0.2(25/32")

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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.