Panasonic

BUSINESS

WV-U1142A

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

4MP Varifocal Lens 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.

- 5MP Sensor
- 2688×1520 pixel image up to 30fps
- 2.5x built-in motorized zoom and motorized focus lens
- 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)
- ONVIF Profile G / S / T

Industry examples

- Retail
- Education
- Public safety
- Bank / Hospital / Building

U series

⠿i-PRO

Specifications

Camera	Image Sensor	Approx. 1/2.7 type CMOS image sensor
	Minimum Illumination	Color : 0.3 lx, BW: 0.12 lx (50IRE, F2.0, Maximum shutter: Off (1/30s), AGC: 11) Color : 0.019 lx, BW: 0.0075 lx (50IRE, F2.0, Maximum shutter: max. 16/30s, AGC: 11) [*1]
	White Balance	AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
	Maximum shutter	Max. 1/10000 s to Max. 16/30 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	—
	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 (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 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}
	Zoom ratio	2.5x Optical zoom (Motorized zoom / Motorized focus) 3.3x FHD Extra Optical Zoom (when resolution is 1920x1080)
	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 : 44° (TELE) – 103° (WIDE), Vertical : 25° (TELE) – 57° (WIDE)
	Maximum Aperture Ratio	1 : 2.0 (WIDE) – 1 : 3.0(TELE)
	Focusing Range	1 m {39-3/8 inches} – ∞
DORI	Detect (25ppm / 8ppf)	Wide: 40.7 m /133.6 ft, Tele: 126.7 m / 415.8 ft
	Observe (62.5ppm / 19ppf)	Wide: 16.3 m / 53.4 ft, Tele: 50.7 m / 166.3 ft
	Recognize (125ppm / 38ppf)	Wide: 8.1 m / 26.7 ft, Tele: 25.3 m / 83.2 ft
	Identify (250ppm / 76ppf)	Wide: 4.1 m / 13.4 ft, Tele: 12.7 m / 41.6 ft
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(2688x1520 30fps mode)], [16 : 9 mode(2688x1520 25fps mode)]** 2688x1520, 1920x1080, 640×360, 320×180 **[16:9 mode(30fps mode)], [16:9 mode(25fps mode)]** 2560×1440, 1920x1080, 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 / Multicast

		Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(2)
	Max. frame rate for each stream [*3]	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)	1920x1080(1fps)

JPEG	Image Quality	10 steps

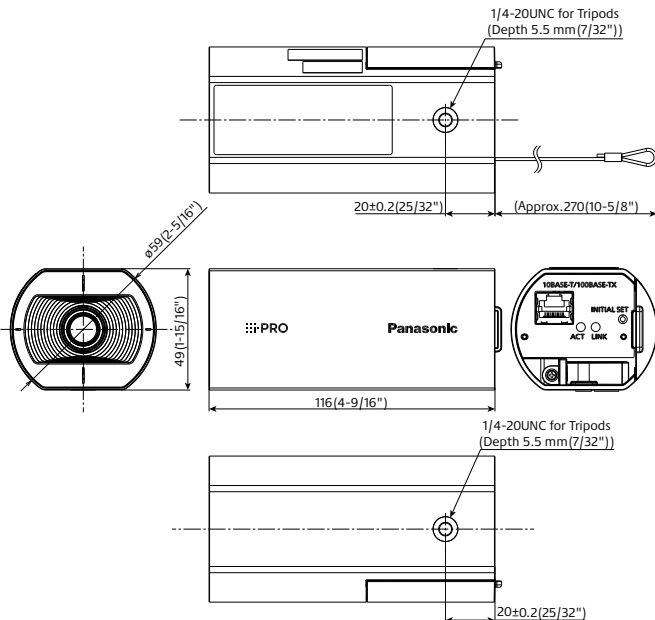| Network	Smart Coding	**GOP(Group of pictures) control:** On(Frame rate control) / On(Advanced) / On(Mid.) / On(Low) / Off *Frame rate control and Advanced are only available with H.265. **AUTO VIQS**: On / Off
	Audio Compression	—
	Audio transmission mode	—
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, 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	-40 °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.)	200 g {0.44 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"))

20±0.2(25/32")   (Approx.270(10-5/8"))

ø59(2-5/16")   49(1-15/16")   116(4-9/16")

i·PRO   Panasonic

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

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

20±0.2(25/32")