Panasonic
BUSINESS

WV-U1142

i-PRO EXTREME

4-megapixel iA(Intelligent Auto) H.265 Varifocal Camera

Panasonic WV-U1142 captures the highest quality 4MP resolution images in even very challenging and dynamic environments. Intelligent Auto (iA) monitors scene dynamics and motion to adjust key camera settings automatically in real-time reducing distortion such as motion blur on moving objects. Adopting H.265 Smart Coding technology, bandwidth efficiency is intelligently increased for longer recording and less storage.

Extreme image quality allows evidence to be captured even under challenging conditions
- Auto Shutter speed control for fast moving objects
- Sharp and clear images of a walking person day & night
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 102dB for backlit situations involving headlights and shadows on night streets

Extreme bandwidth compression with Panasonic H.265 Smart Coding
- Longer recording and less storage compared to any H.264 based compression techniques
- Self-learning ROI* encoding (Auto VIQS) detects movement within the image and compresses the areas with little motion in order to reduce transmitted data while maintaining the quality of the image.
  *Region of Interest

Key Features

- 4-megapixel images up to 30fps
- iA (intelligent Auto)
- Extreme 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)

Industry examples

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

*The actual product may differ.

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	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
	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 – 7.25 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)
	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} – ∞
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	**[16 : 9 mode]** *[4:3 mode] is not supported.
	H.265	2560×1440, 1920×1080, 640×360, 320×180
	H.265 [3]	Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
		Transmission Type	Unicast / Multicast
	JPEG	Image Quality	10 steps
	Smart Coding	**GOP(Group of pictures) control:** On(Frame rate control)/ On(Advanced)/ On(Mid.)/ On(Low)/ Off **AUTO VIQS:** On/ Off
	Audio Compression	—
	Audio transmission mode	—

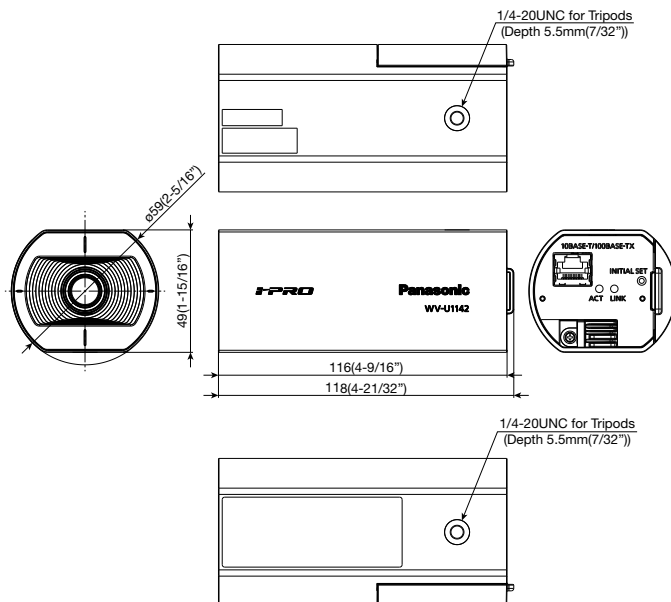| Network	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, SMTP, DNS, NTP, 　SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, 　SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, 　ARP, IEEE 802.1X, DiffServ
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
	SDXC/SDHC/SD Memory Card (Option)	H.265 recording: 　Manual REC / Alarm REC (Pre/Post) / Schedule REC / 　Backup upon network failure Compatible microSDXC/microSDHC Memory Card: 　Panasonic 32 GB*, 64 GB**model 　*microSDHC card, **microSDXC card
	Mobile Terminal Compatibility	iPad, iPhone, Android™ mobile terminals
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	-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.)	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] Transmission for 3 streams can be individually set.

Appearance

Unit : mm (inches)

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

Ø59(2-5/16")
49(1-15/16")
116(4-9/16")
118(4-21/32")

i-PRO　Panasonic
WV-U1142

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

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

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– iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
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– All other trademarks identified herein are the property of their respective owners.

Important
– Safety Precaution : Carefully read the Important Information, Installation Guide and
　operating instructions before using this product.
– Panasonic cannot be 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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