Panasonic
BUSINESS

iA(Intelligent Auto) H.265 Varifocal Camera

Panasonic WV-U1532L captures the highest quality 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. By 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 vehicles
- 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 120dB 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

- Full HD 1080p 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)

Industry examples

- Public safety (City / Highway toll / Parking gate)
- Transportation (Airport / Train / Subway)
- Retail / Bank / Logistics / Education / Hospital / Building

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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 {0 footcandle} (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/ HLC/ 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
	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)
	Angular Field of View	[16 : 9 mode] Horizontal : 44° (TELE) – 102° (WIDE), Vertical : 24° (TELE) – 56° (WIDE) [4 : 3 mode] Horizontal : 36° (TELE) – 84° (WIDE), Vertical : 27° (TELE) – 63° (WIDE)
	Maximum Aperture Ratio	1 : 2.0 (WIDE) – 1 : 3.0(TELE)
	Focusing Range	1 m {39-3/8 inches} – ∞
Adjusting Angle	Ceiling mounting	Horizontal: ±180 ° (Adjust by horizontal (PAN) angle) Vertical : 0 ° to 100 ° (Adjust by vertical (TILT) angle) Yaw : −190 ° to +100 ° (Adjust by azimuth (YAW) angle)
	Wall mounting	Horizontal: ±100 ° (Adjust by vertical (TILT) angle)* Vertical : ±100 ° (Adjust by vertical (TILT) angle)* Yaw : −190 ° to +100 ° (Adjust by azimuth (YAW) angle) *You can change between horizontal and vertical angels by adjusting the horizontal (PAN) angle.
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] 1920×1080, 1280×720, 640×360, 320×180
	H.265		[4 : 3 mode] 1600×1200, 1280×960, VGA, QVGA
	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		—
	Supported Protocol		IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, DHCPv6, RTP, 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™ 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 140 mA, Approx. 6.7 W (Class 0 device)
	Ambient Operating Temperature		-30 °C to +50 °C (-22 °F to +122 °F) {Power On range: -20 °C to +50 °C (-4°F to +122 °F)}
	Ambient Operating Humidity		10 to 100 % (no condensation)
	Water and Dust Resistance*4		IP66 (IEC 60529), Type 4X (UL50E), NEMA 4X compliant
	Shock Resistance		IK10 (IEC 62262)
	Dimensions		112.5 mm (W) x 112.5 mm (H) x 262 mm (D) {4-7/16 inches(W) x 4-7/16 inches(H) x 10-5/16 inches(D)}
	Mass (approx.)		800 g {1.77 lbs.}
	Finish		Main body: Aluminum die cast/ PC resin, i-PRO white Outer fixing screws: Stainless steel (Corrosion-resistant treatment) Front cover: Polycarbonate resin, Clear

*1 Converted value
*2 When "4:3(30fps mode)" or "4:3(25fps mode)" is selected for "Image capture mode",
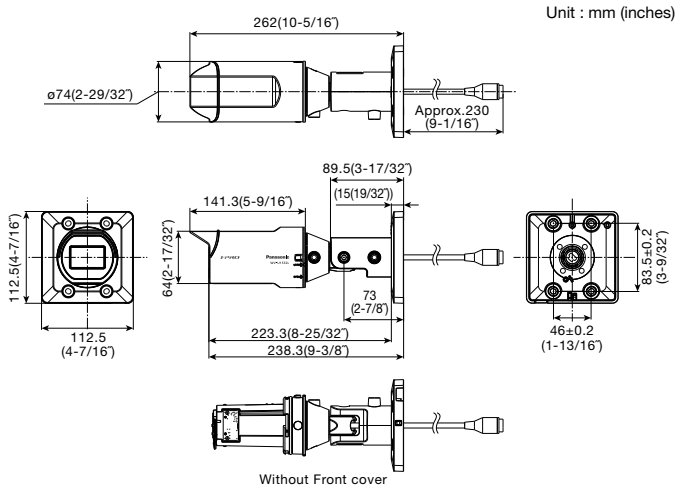   "90 °" and "270 °" cannot be selected.
*3 Transmission for 3 streams can be individually set.
   The maximum frame rate for each stream in multiple streams is 15 fps.
*4 Only when installation work is properly performed according to the Installation Guide and appropriate waterproof
   treatment is performed.

Appearance

Unit : mm (inches)

Without Front cover

Optional Accessories

■ Mount Bracket

Adapter Box WV-QJB500-W (i-PRO white)		Ceiling Mount Bracket WV-QCL100-W (i-PRO white) *For indoor installation only	
Pole Mount Bracket WV-QPL500-W (i-PRO white)		Corner Mount Bracket WV-QCN500-W (i-PRO white)	

- The brackets are available in three colors, i-PRO white, Light gray, and Fine silver.
  It is possible to use them in the different color combination.

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Important
– Safety Precaution : Carefully read the Basic 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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