iA(Intelligent Auto) H.265 Network Camera

Panasonic WV-U1130 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 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 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 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)

Industry examples

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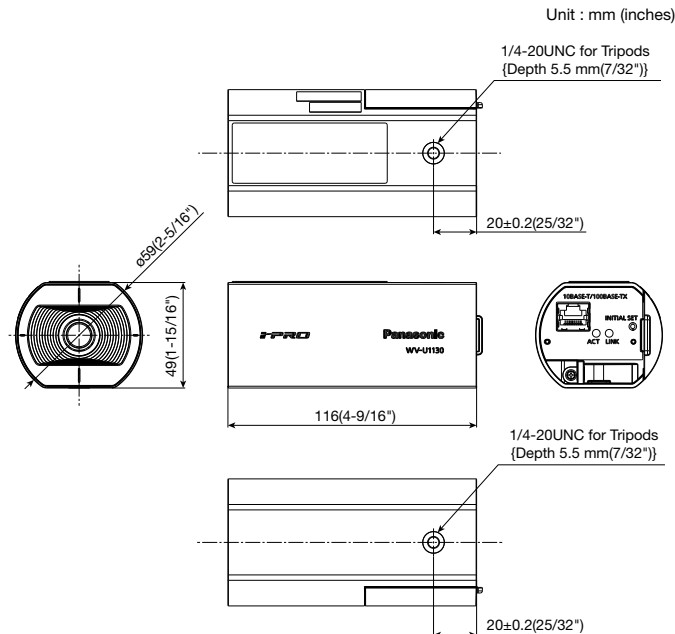- Education
- Public safety
- Bank / Hospital / Building

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 / High light compensation	BLC (Back light compensation) / HLC (High light compensation) / Off 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
	SCD (scene change detection)	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)	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 1280×720)
	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} – ∞
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	**[16 : 9 mode]** 1920×1080, 1280×720, 640×360, 320×180 **[4 : 3 mode]** 1600×1200, 1280×960, VGA, QVGA

H.265	Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort				
	Transmission Type	Unicast port(AUTO) / Unicast port(MANUAL) / Multicast				
	Max. frame rate for each stream		Stream(1)	Stream(2)	Stream(3)	JPEG(1)	JPEG(2)
		Single-stream	30fps	Off	Off	3fps	3fps
		Multi-stream	15fps	15fps	15fps	3fps	3fps

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, 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: microSD speed class6 or higher 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 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.

Appearance

Unit : mm (inches)

1/4-20UNC for Tripods {Depth 5.5 mm(7/32")}
20±0.2(25/32")
ø59(2-5/16")
49(1-15/16")
116(4-9/16")
10BASE-T/100BASE-TX
INITIAL SET
ACT LINK
iPRO Panasonic WV-U1130
1/4-20UNC for Tripods {Depth 5.5 mm(7/32")}
20±0.2(25/32")

Trademarks and registered trademarks
– iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
– Android is a trademark of Google LLC.
– All other trademarks identified herein are the property of their respective owners.

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.

DISTRIBUTED BY :

Panasonic i-PRO Sensing Solutions Co., Ltd.

https://ipro.panasonic.com

https://security.panasonic.com

https://www.facebook.com/Panasonicnetworkcamera/

(2A-240BA)