# iA(Intelligent Auto) H.265 Varifocal Camera

Panasonic WV-U1132 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 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



*The actual product may differ.

## 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 | — |
| | Back light compensation / | BLC (Back light compensation) / HLC (High light compensation) / Off |
| | High light compensation | (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 – 7.3 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} – ∞ |
| 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 | **[ 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 | — |

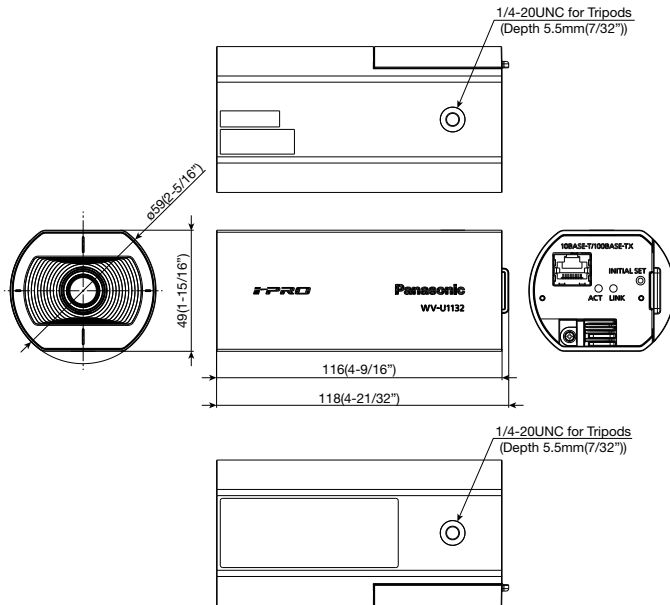| Network | Supported Protocol | IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, |
|---|---|---|
| | | DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ |
| | | IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, |
| | | SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, |
| | | ARP, IEEE 802.1X, DiffServ |
| | No. of Simultaneous Users | Up to 14 users (Depends on network conditions) |
| | SDXC/SDHC/SD | H.265 recording: |
| | Memory Card (Option) | 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 | PoE (IEEE802.3af compliant) Device: |
| | Power Consumption | DC48 V 90 mA, Approx. 4.3 W (Class 2 device) |
| | Ambient Operating | -10 °C to +50 °C (+14 °F to +122 °F) |
| | Temperature | {Power On range: 0 °C to +50 °C (+32°F to +122 °F)} |
| | Ambient Operating Humidity | 10 to 90 % (no condensation) |
| | Dimensions | 59 mm (W) x 49 mm (H) x 116 mm (D) |
| | *Installing using the base bracket | {2-5/16 inches (W) x 1-15/16 inches (H) x 4-9/16 inches (D)} |
| | | (excluding side cover) |
| | Mass (approx.) | 155 g { 0.34 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")

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

i-PRO  Panasonic
WV-U1132

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

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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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