

## Full HD Indoor Dome Network Camera

Panasonic WV-U2130L 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

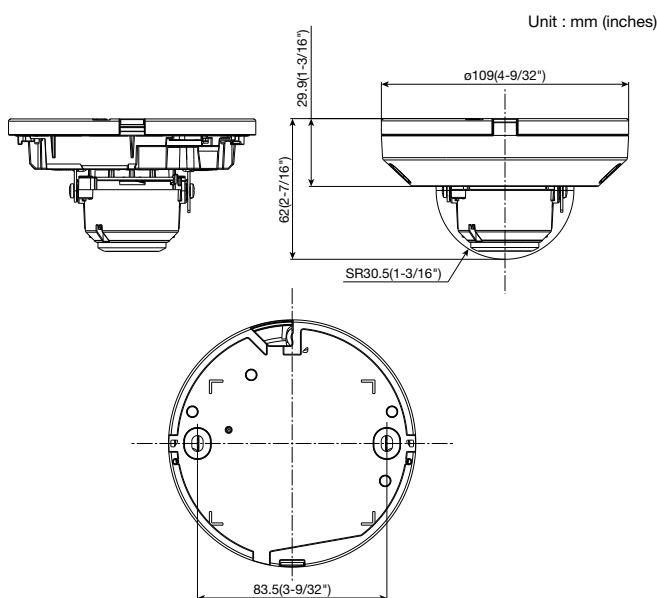
|                 |                                                   |                                                                                                                                                                                                                                                                                         |                                                       |                             |                           |                           |                          |                          |
|-----------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------|---------------------------|---------------------------|--------------------------|--------------------------|
| Camera          | Image Sensor                                      | Approx. 1/3 type CMOS image sensor                                                                                                                                                                                                                                                      |                                                       |                             |                           |                           |                          |                          |
|                 | Minimum Illumination                              | Color : 0.1 lx, BW : 0.04 lx<br>(50IRE, F2.0, Maximum shutter : Off (1/30s), AGC : 11)<br>BW : 0 lx<br>(50IRE, F2.0, Maximum shutter : Off (1/30 s), AGC : 11, when the IR LED is lit)<br>Color : 0.006 lx, BW : 0.0025 lx<br>(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<br>[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<br>The level can be set in the range of 0 to 31.<br>(only when Super dynamic / Intelligent Auto : Off)                                                                                                              |                                                       |                             |                           |                           |                          |                          |
|                 | Fog compensation                                  | On / Off, The level can be set in the range of 0 to 8.<br>(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                                                                                                                                                                                                                                                             |                                                       |                             |                           |                           |                          |                          |
|                 | Scene Change Detection (SCD)                      | 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)                                | On / Off, 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 1280x720)                                                                                                                                                                                                                                                |                                                       |                             |                           |                           |                          |                          |
|                 | Digital (electronic) zoom                         | Choose from 3 levels of x1, x2, x4                                                                                                                                                                                                                                                      |                                                       |                             |                           |                           |                          |                          |
|                 | Angular Field of View                             | [16 : 9 mode] Horizontal : 100°<br>Vertical : 54°<br>[ 4 : 3 mode] Horizontal : 81°<br>Vertical : 60°                                                                                                                                                                                   |                                                       |                             |                           |                           |                          |                          |
|                 | Maximum Aperture Ratio                            | 1 : 2.0                                                                                                                                                                                                                                                                                 |                                                       |                             |                           |                           |                          |                          |
|                 | Focusing Range                                    | 1 m (39-3/8 inches) – ∞                                                                                                                                                                                                                                                                 |                                                       |                             |                           |                           |                          |                          |
| Adjusting Angle |                                                   | Horizontal (PAN) angle: -175 °~ +175 °, Vertical (TILT) angle: -30 °~ +80 °<br>Azimuth (YAW) angle: ±100°                                                                                                                                                                               |                                                       |                             |                           |                           |                          |                          |
| 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<br>[ 4 : 3 mode] 1600×1200, 1280×960, VGA, QVGA                                                                                                                                                                                     |                                                       |                             |                           |                           |                          |                          |
|                 | H.265                                             | Constant bit rate / VBR / Frame rate / Best effort                                                                                                                                                                                                                                      |                                                       |                             |                           |                           |                          |                          |
|                 | H.265                                             | Transmission Mode                                                                                                                                                                                                                                                                       | Unicast port(AUTO) / Unicast port(MANUAL) / Multicast |                             |                           |                           |                          |                          |
|                 |                                                   | Transmission Type                                                                                                                                                                                                                                                                       |                                                       |                             |                           |                           |                          |                          |
|                 |                                                   | Max. frame rate for each stream                                                                                                                                                                                                                                                         | Single-stream<br>Multi-stream                         | Stream(1)<br>30fps<br>15fps | Stream(2)<br>Off<br>15fps | Stream(3)<br>Off<br>15fps | JPEG(1)<br>3fps<br>15fps | JPEG(2)<br>3fps<br>15fps |
|                 | JPEG                                              | Image Quality                                                                                                                                                                                                                                                                           | 10 steps                                              |                             |                           |                           |                          |                          |

|                      |                                    |                                                                                                                                                                                                                                                            |
|----------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Network</b>       | Smart Coding                       | <b>GOP(Group of pictures) control:</b><br>On(Frame rate control) / On(Advanced) / On(Mid.) / On(Low) / Off<br><b>AUTO VIQS:</b> 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<br>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:<br>Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure<br>Compatible microSDXC/microSDHC Memory Card:<br>microSD speed class6 or higher<br>Panasonic 32 GB*, 64 GB**model<br>*microSDHC card, **microSDXC card |
|                      | Mobile Terminal Compatibility      | iPad, iPhone, Android™ terminals                                                                                                                                                                                                                           |
|                      | ONVIF Profile                      | G / T                                                                                                                                                                                                                                                      |
| <b>Alarm</b>         | 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                                                                                                                        |
|                      |                                    |                                                                                                                                                                                                                                                            |
| <b>Input/ Output</b> | Monitor Output (for adjustment)    | —                                                                                                                                                                                                                                                          |
|                      | Audio input                        | —                                                                                                                                                                                                                                                          |
|                      | Audio Output                       | —                                                                                                                                                                                                                                                          |
|                      | External I/O Terminals             | —                                                                                                                                                                                                                                                          |
| <b>General</b>       | 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)<br>{Power On range: 0 °C to +50 °C (+32°F to +122 °F)}                                                                                                                                                                |
|                      | Ambient Operating Humidity         | 10 to 90 % (no condensation)                                                                                                                                                                                                                               |
|                      | Dimensions                         | ø109 mm x 62 mm (H) (ø4-9/32 inches x 2-7/16 inches (H))<br>Dome radius 30.5 mm (1-3/16 inches)                                                                                                                                                            |
|                      | Mass (approx.)                     | 250 g (0.55 lbs)                                                                                                                                                                                                                                           |
|                      | Finish                             | Main body : Aluminum die cast / Polycarbonate resin, i-PRO white<br>Dome section : 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.

## Appearance



## Optional Accessories

### Mount Bracket / Dome Cover / Other

|                                                                                                          |                                                                                                             |                                                                        |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>Dome Cover (Smoke type)</b><br><b>WV-QDC500S</b><br>                                                  | <b>Ceiling Mount Bracket</b><br><b>WV-QCL100-W</b><br>(i-PRO white)<br><p>*For indoor installation only</p> | <b>Wall Mount Bracket</b><br><b>WV-QWL500-W</b><br>(i-PRO white)<br>   |
| <b>Adapter Box</b><br><b>WV-QJB500-W</b><br>(i-PRO white)<br><p>(This bracket requires WV-QWL500-W.)</p> | <b>Pole Mount Bracket</b><br><b>WV-QPL500-W</b><br>(i-PRO white)<br>                                        | <b>Corner Mount Bracket</b><br><b>WV-QCN500-W</b><br>(i-PRO white)<br> |

• 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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