

iA (intelligent Auto) H.265 Network Camera

Panasonic WV-S2130 captures the highest quality images automatically even in very challenging and fast-changing surveillance 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. New industry-leading 144dB dynamic range delivers balanced scene exposure in dynamic and extreme-backlit lighting environments. In addition, color night vision provides outstanding low-light performance with accurate color rendition and saturation from i-Pro's 1/3" sensor, rivaling the performance of costlier 1/2" sensor cameras in the market. Adopting H.265 Smart Coding technology, intelligently reduces bandwidth efficiency of up to an average 75 percent over H.264 for longer recording and less storage. Cameras out-of-the-box, support full data encryption streaming and is compliant to FIPS 140-2 Level 1 standards to keep your video secured.

Extreme image quality for evidence capturing under challenging conditions.

- Auto Shutter speed control for fast moving vehicles
- Sharp and clear image of a walking person day & night
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 144dB for backlit situation and shadows on the streets at night

Extreme H.265 compression with new Smart Coding

- Longer recording, less storage compared to any H.264 based compression techniques
- New self-learning ROI* encoding (Auto VIQS) dynamically detect motion areas to keep vehicles and human in good picture quality while lowering your bandwidth
- New "Smart Facial Coding" adds more bandwidth reduction for ID camera applications mainly capturing faces

* Region of Interest

Extreme Data Security

- FIPS 140-2 Level 1 compliant
- Full end-to-end system encryption with supported VMS and devices to protect from IP snooping/spoofing and detect data alteration

Key Features

- Full HD 1080p 60fps
- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.0008 to 0.012 lx)
- H.265 Smart Coding
- FIPS 140-2 Level 1 compliant

Applications

- Airport (Passport control / Security checkpoint / Ticket counter)
- Retail / Bank / Education / Hospital / Building



Specifications

| | | |
|--------------------|----------------------------|--|
| Camera | Image Sensor | Approx. 1/3 type MOS image sensor |
| | Minimum Illumination | Color : 0.012 lx, BW : 0.01 lx (F1.6, Maximum shutter : Max. 1/30s, AGC : 11) Color : 0.0008 lx, BW : 0.0007 lx (F1.6, 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) |
| | Shutter Speed | Off(1/30) to 1/10000 *1/30 Fix to 2/100 Fix is available during 30 fps mode only. *2/120 Fix is available during 60 fps mode only. |
| | Intelligent Auto | On / Off |
| | Super Dynamic*2 | On / Off, the level can be set in the range of 0 to 31. |
| | Dynamic Range | 144 dB (Super Dynamic : On) |
| | Adaptive Black Stretch | The level can be set in the range of 0 to 255. |
| | Black light compensation / | BLC (Black light compensation) / HLC (High light compensation) / Off |
| | High light compensation | (Only when Super dynamic and Intelligent Auto : Off) |
| | Fog compensation | On / Off (Only when Intelligent Auto : Off) |
| | Maximum gain (AGC) | The level can be set in the range of 0 to 11. |
| | Day/Night (Electrical) | Off / On |
| | Digital Noise Reduction | The level can be set in the range of 0 to 255. |
| | Video Motion Detection | On / Off, 4 areas available |
| | Image Stabilizer | On / Off (available only in the 30 fps mode) |
| | Privacy Zone | On / Off (up to 8 zones available) |
| | Image rotation*3 | 0 ° / 90 ° / 180 ° / 270 ° |
| | Camera Title (OSD) | On / Off Up to 20 characters (alphanumeric characters, marks) |
| | Focus Adjustment | Auto back focus / Manual |
| Lens | Focal length | 2.8 - 10 mm (1/8 inches - 13/32 inches) |
| | Zoom ratio | 3.6 x (Manual zoom / Motorized focus) |
| | Angular Field of View | [16 : 9 mode] Horizontal : 30° (TELE) – 110° (WIDE) Vertical : 17° (TELE) – 59° (WIDE) [4 : 3 mode] Horizontal : 25° (TELE) – 90° (WIDE) Vertical : 19° (TELE) – 66° (WIDE) |
| | Maximum Aperture Ratio | 1 : 1.6 (WIDE) – 1 : 3.4 (TELE) |
| | Focusing Range | 0.3 m (11-13/16 inches) – ∞ |
| | Adjusting Angle | Horizontal : -240 to +120°, Vertical : ±85°, Yaw : ±100° |
| Browser GUI | Camera Control | Brightness, AUX On / Off |
| | GUI / Setup Menu Language | English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese |
| Network | Network IF | 10Base-T / 100Base-TX, RJ45 connector |
| | Image Resolution | *2 mega pixel [16 : 9] (30/60 fps) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180 *3 mega pixel [4 : 3] (30 fps) 2,048 x 1,536 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 *Used by super resolution techniques |
| | H.265/ | Transmission Mode |
| | H.264*4 | Transmission Type |
| | JPEG | Image Quality |
| | Smart Coding | Smart Facial Coding : On (Smart Facial Coding*) / On (Auto VIQS) / Off *Smart Facial Coding is only available with Stream(1). GOP (Group of pictures) : On (Advanced)* / On (Low) / On (Mid) / Off *On(Advanced) is only available with H.265. |
| | | |

| | | |
|----------------------|---------------------------------|---|
| Network | Audio Compression | G.726 (ADPCM) : 32 kbps / 16 kbps, G.711 : 64 kbps, AAC-LC : 64 kbps / 96 kbps / 128 kbps |
| | Supported Protocol | IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, DiffServ IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, DiffServ |
| | No. of Simultaneous Users | Up to 14 users (Depends on network conditions) |
| | Mobile Terminal Compatibility | iPad, iPhone, Android™ mobile terminals |
| Alarm | Alarm Source | VMD, Command alarm, Audio detection alarm |
| | Alarm Actions | E-mail notification, HTTP alarm notification Indication on browser, FTP image transfer, Panasonic protocol output |
| Input/ Output | Monitor Output (for adjustment) | VBS : 1.0 V [p-p] / 75 Ω, composite, Pin jack An NTSC or PAL signal can be outputted from camera |
| | Built-in microphone | Nondirectional electret condenser microphone |
| General | Power Source and | PoE (IEEE802.3af compliant) Device : |
| | Power Consumption | DC48 V / 110 mA / Approx. 5.3 W (Class 0 device) |
| | Ambient Operating Temperature | -10 °C to +50 °C (14 °F to 122 °F) |
| | Ambient Operating Humidity | 10 to 90 % (no condensation) |
| | Dimensions | ø129.5 mm x 101 mm (H) (ø5-3/32 inches x 3-31/32 inches (H)) Dome radius 40 mm (1-9/16 inches) |
| | Mass (approx.) | Approx. 560 g (1.23 lbs) |
| | Finish | Main body : ABS resin, sail white Dome section : Clear acrylic resin |

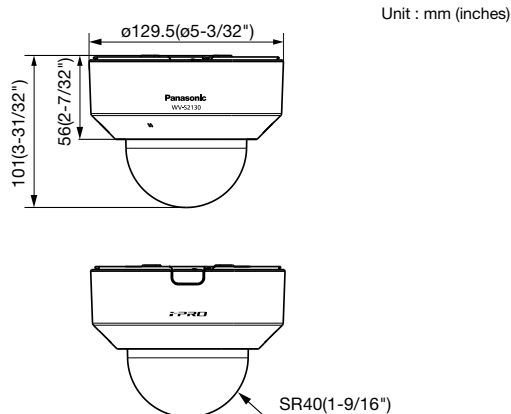
*1 Converted value

*2 Super Dynamic function is automatically set off on 60 fps mode.

*3 When "3 mega pixel [4 : 3] (30fps mode)" is selected for "Image capture mode", "90 °" and "270 °" cannot be selected.

*4 Transmission for 4 streams can be individually set.

Appearance






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• Masses and dimensions are approximate. • Specifications are subject to change without notice.

Optional Accessories

| | | |
|--|---|---|
| Ceiling Mount Bracket WV-Q105A  | Embedded Ceiling Mount Bracket WV-Q174B  | Smoke Dome Cover WV-CF5SA  |
|--|---|---|

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.

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