iA (intelligent Auto) H.265 Network Camera

Panasonic WV-S1131 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
- Full encryption SD card edge recording to keep your data safe
- FIPS 140-2 Level 1 compliant
- Full end-to-end system encryption with supported VMS and devices to protect from IP snooping/spoo/f-ing and detect data alteration

Key Features
- Full HD 1080p 60fps
- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.0007 to 0.01 lx)
- H.265 Smart Coding
- FIPS 140-2 Level 1 compliant

Applications
- Public safety (City / Road / Highway / Port)
- Transportation (Airport / Train / Subway)
- Retail / Bank / Education / Hospital / Building
Specifications

Camera

- Image Sensor: Approx. 1/3.7-type MOS image sensor
- Minimum Illumination:
  - Color: 0.001 lx (F1.4, Max. shutter: Max. 1/30s, AGC: -11)
  - B/W: 0.00001 lx (F1.4, Max. shutter: Max. 1/30s, AGC: -11)
- White balance: Auto, Indoor, Outdoor
- Shutter Speed:
  - ORT/30 to 1/2000
  - 1/100 Fix to 0.1/100 Fix is available during 30 fps mode only.
  - 1/210 Fix is available during 60 fps mode only.
- Intelligent Auto: On / Off
- Super Dynamic:
  - On / Off, the level can be set in the range of 0 to 31
- Dynamic Range: 144 dB (Super Dynamic: Off)
- 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
  - Only when Super dynamic and Intelligent Auto: Off
- Image rotation:
  - 0 ° / 90 ° / 180 ° / 270 °
- Maximum gain (AGC): The level can be set in the range of 0 to 11
- Day/Night (D/N):
  - Off / Auto (Normal) / Auto2 (D/N Light) / Auto3 [D/N]
- Digital Noise Reduction: The level can be set in the range of 0 to 255
- Video Motion Detection: Off / On / 4 areas available
- Image Stabilizer: Off / On (available only in the 60 fps mode)
- Privacy Area: Off / On up to 8 zones available
- Image rotation:
  - 0 ° / 90 ° / 180 ° / 270 °
- Camera Title (LOGO):
  - On / Off (up to 20 characters (alphabetic characters, marks))
- Focus Adjustment:
  - Auto back focus / Manual

Audio

- Mic (Line) Input: On / Off
- Volume adjustment: Low / Middle / High
- Auto / Off, the level can be set in the range of 0 to 10
- Microphone/Lite Input:
  - On / Off
  - (Applicable microphones: Plug-in power type)
- Supply voltage: 2.5 V ± 0.5 V
- Audio Output:
  - 0.55 mV min. max. jack

Network

- Transmission Type:
  - Unicast / Multicast
- Transmission Mode:
  - Constant bit rate / Variable bit rate / Frame rate / Best effort
- Transmission Type:
  - Unicast / Multicast
- JPEG Image Quality:
  - 10 steps
- Smart Coding:
  - Smart Facial Coding: On / Smart Facial Coding: Off (only with Stream(1))
  - On (Advanced) / Off (Standard)
- Audio Compression:
  - g.726 (ACPCMU): 32 kbps / 16 kbps
  - g.727 / 16 kbps
  - AAC-LC / 44.1 kHz / 64 kbps / 128 kbps
- Audio transmission mode:
  - Off / Mic (Line) input / Audio output / Interactive (half duplex) / Interactive (full duplex)

Supported Protocol

- IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTSP, FTP, SMTP, DNS, NTP, SNMP, DHCPv4, MLD, ICMP, ARP, DiffServ
- IPv6: TCP/IPv6, UDP/IPv6, HTTP/IPv6, RTSP/IPv6, RTP/IPv6, FTP/IPv6, SMTP, DHCPv6, DNSv6, NTPv6, SNMP, IPv6, ICMPv6, ARP, DiffServ

Mobile Terminal Compatibility

- iPad, iPhone, Android, BlackBerry mobile terminals

Alarm

- Alarm Source:
  - 3 terminals input: VMD, Command alarm, Audio detection alarm
- Alarm Actions:
  - SD/SDHC/SDXC memory recording, E-mail notification, HTTP alarm notification Indication on browser, FTP image transfer, Panasonic protocol protocol

Input / Output

- Monitor Output (for adjustment):
  - Off / BD: NTSC or PAL signal can be outputted from camera
- Microphone/Lite Input:
  - On / Off
- SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, FTP image transfer, Panasonic protocol protocol
- Memory Card (Option):
  - Number of simultaneous users: 14

Browser

- Camera Control:
  - Brightness, AUR: On / Off
- Setup Menu Language:
  - English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese

Memory Card (Option)

- SDHC card, ** SDXC card (except miniSD card and microSD card)

Network Interface

- Main body: PC / ABS resin (Sail white)
- Mass (approx.): 350 g (0.77 lbs.)

Dimensions

- 75 mm (W) x 57 mm (H) x 146 mm (D)
- 10 to 90 % (no condensation)

Power Source and External I/O Terminals

- DC power supply: DC12 V / 460 mA / Approx. 5.6 W
- PoE (IEEE 802.3af compliant) Device:
  - DC48 V / 120 mA / Approx. 5.8 W (Class 2 devices)

Appearance

Unit: mm (inches)

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Important

- Safety Precaution: Carefully read the Important Information, Installation Guide and operating instructions before using this product.
- Panasonic cannot be responsible for any change of the network and/or other manufacturers’ products used on the network.

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