iA (intelligent Auto) H.265 Compact Dome Camera

Panasonic WV-S3131L is a compact & simple design multifunction camera that achieves high visibility even under extreme conditions and can be placed in a small space without damaging the landscape. Intelligent Auto (iA) allows the camera to automatically adjust the key settings in real-time depending on the scenery and movement, reducing distortion such as motion blur and 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. The adopted H.265 Smart Coding technology, intelligently reduces bandwidth efficiency of up to 95%* more than conventional H.264 for longer recording and less storage. Cameras out-of-the-box, use an encryption module standardized by FIPS Publication 140-2 for secure video streaming.

*Value in Advanced mode with Smart Facial Coding depends on scene.

Extreme image quality allows evidence to be captured even under challenging conditions
- Auto Shutter speed control for fast moving objects with Intelligent Auto
- 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 144dB for backlit situations on entrance.
- Built-in IR LED to produce a clear monochrome image in 0 lux conditions with 15 m (49 feet) irradiation distance
- Wide area surveillance even in compact design. moreover, corridor mode to survey vertically long area.

Extreme bandwidth compression with new Panasonic H.265 Smart Coding
- Longer recording and less storage compared to any H.264 based compression techniques
- New 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.
- New “Smart Facial Coding” adds more bandwidth reduction for ID camera applications mainly capturing faces
  *Region of Interest

Extreme Data Security
- Full encryption microSDXC/microSDHC/microSD card edge recording to keep your data safe
- FIPS140-2 CAVP compliant *Using encryption module standardized by FIPS publication 140-2
- 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 (0.0019 to 0.03 lx)
- H.265 Smart Coding
- Built-in IR LED
- Corridor mode
  (90 degrees or 270 degrees in image rotation)
- i-VMD License Bundled

Industry examples
- Education
- Retail
- Bank (ATM)
- Building

ONVIF | GST
### Specifications

#### Camera
- **Image Sensor**: Approx. 1/5 type CMOS image sensor
- **Minimum Illumination**:
  - WV-CL65A: 10 mcd/W (1 lux), 0.5 lux
  - WV-CL67A: 5 mcd/W (0.5 lux), 0.25 lux
- **Maximum Shutter**: Max. 1/100,000 sec. to Max. 1/30 sec.
- **Intelligent Auto**: On / Off
- **Image Dynamic**: On / Off. The level can be set in the range of 0 to 31.
- **Gain**: 0 to 29
- **Adaptive Black Stretch**: The level can be set in the range of 0 to 11.
- **Black light compensation**:
  - Only when Super dynamic / Intelligent Auto / Off
- **Image rotation**: On / Off (only when Intelligent auto / auto contrast adjust / Off)
- **Maximum Gain**
- **Color/BW**: Off (0) / Off (4) / Off (8) / Off (12) / Off (16) / Off (20) / Off (24) / Off (28) / Off (32)
- **LED Light**: High: Max. / Low: Max. / Off: Max. (Max. illumination distance: 15 m) [Approx. 90 ft]
- **Digital Noise Reduction**: The level can be set in the range of 0 to 255.
- **Video Motion Detection (VMD)**
- **Privacy Zone**: On / Off (up to 8 zones available)
- **Image rotation**: 0° to 180° (topside-down / 90°)
- **Mirror**: On / Off
- **Camera Title (OSD)**: On / Off. Up to 20 characters (alphabetic characters, marks)
- **Digital electronic zoom**: Choose from 3 levels of x1, x2, x4
- **Focus (Horizontal)**: [F: 3 - M (Manual)] / [F: 3 - M (Manual)]
- **Focus (Vertical)**: [F: 3 - M (Manual)] / [F: 3 - M (Manual)]
- **Focus (Horizontal)**: [F: 3 - M (Manual)] / [F: 3 - M (Manual)]
- **Focus (Vertical)**: [F: 3 - M (Manual)] / [F: 3 - M (Manual)]
- **Adjusting Angle**:
  - Horizontal (PAN): ±10°
  - Vertical (TILT): ±15°
  - Field of View
  - [6 - 9 modes]: Horizontal: ±10°
  - [6 - 3 modes]: Vertical: ±6°
- **Dome section**: Polycarbonate resin, Clear
- **Dome Cover**: Smoke type
- **Finish**: Main body: ABS resin, Satin white
  - Dome section: Polyethylene resin, Clear

#### Network
- **Audio Compression**: G.722 (ADPCM): 16 kbps / 32 kbps
  - G.711: 64 kbps
- **Supported Protocol**: TCP / UDP / RTP / HTTP / HTTPS / RTMP / RTSP / RTSP/RTSP / SNMP / DHCPv6 / MLD / ICMP / ARP
  - IEEE 802.1X, DiffServ

#### Alarm
- **Director Software**: Manual REC / Alarm REC (Pre/Post) / Schedule REC / JPEG recording
- **On/Off**: Manual REC / Alarm REC (Pre/Post) / Backup upon network failure
- **Compatible microSD/microSDHC/microSDXC Memory Card**:
  - Panasonic xQD: 4 GB / 8 GB / 16 GB / 32 GB / 64 GB
  - microSDHC card: *Miscard* card
- **Mobile Terminal Compatibility**: iPad, iPhone, Android™ terminals
- **Alarm Source**: VMD alarm / Command alarm / Audio detection alarm
- **Alarm Actions**: microSD/microSDHC/microSDXC memory recording / E-mail notification
  - HTMP alarm notification indication on browser, FTP image transfer
  - Panasonic alarm protocol output

#### Input/Output
- **Built-in microphone**: Non-directional electret condenser microphone

#### General
- **Safety**: UL 60950-1-21 (EDV, cUL CAN/CSA C22.2 NO. B56.5-01-07), CE, ENCE
- **EMC**: FCC Part15 Subpart B, Class A, CISPR 32 Class A, EN55022 Class B, 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**: 0°C to +40°C / 32°F to 104°F
- **Ambient Operating Humidity**: 10 to 90% (no condensation)
- **Dimensions**: 101.4 mm x 51 mm x [4x3/32 inches x 2 inches] [61]
  - Dome radius: 27 mm [1-1/16 inches]
- **Mass (approx.)**: Approx. 200 g (7oz 1/5 sl)

### Appearance

#### Unit: mm (inches)

---

### Optional Accessory

#### Dome Cover

- **Dome Cover (Smoke type)**: WV-CW65A

---

### Trademarks and registered trademarks
- Flix and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
- Android is a trademark of Google LLC.
- ONVIF and the ONVIF logo are trademarks or registered trademarks of Onvif Inc.
- 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.

---

### Bundled License

**Plug-in Software for i-VMD**

- i-VMD is possible to detect objects in the specified area by advanced video analysis technology.
- i-VMD: Intruder Detection, Loitering Detection, Object Detection, Change Scene Detection, Object Detection, Cross Line Detection

---

### Distributor Information

DISTRIBUTED BY:

[Panasonic](https://www.facebook.com/Panasonicnetworkcamera/)

https://security.panasonic.com/support/info/