40x Intelligent Zoom Stabilization iA PTZ Camera

Panasonic WV-X6531N captures the highest quality images automatically even in very challenging and fast-changing surveillance environments. Outstanding Intelligent Zoom Stabilization to increase visibility under blur condition.

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. Adopting H.265 Smart Coding technology, intelligently reduces bandwidth efficiency of up to 95%* over H.264 for longer recording and less storage. *Value in Advanced mode. It depends on the scene.

Extreme image quality for evidence capturing under challenging conditions
- Long-distance vision with high power 40x zoom lens and Intelligent Zoom Stabilization with gyroscope
- Sharp and clear image of fast moving vehicles with Intelligent Auto and ClearSight Coating
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 144dB for backlit situation by headlights and shadows on the streets at night
- Environmental durability: IP66, IK10, Long life Pan/Tilt gear mechanism, Wide operating temperature up to 60 °C (140 °F) and Dehumidification device

Extreme bandwidth compression with new Panasonic H.265 Smart Coding
- Longer recording, less storage compared to 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  *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/spoofing and detect data alteration

Key Features
- Full-HD 1920x1080 60fps
- Intelligent Zoom Stabilization with 40x optical zoom
- ClearSight Coating
- Durable Pan/Tilt gear mechanism
- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.001 to 0.015 lx)
- IP66, IK10 certified
- Wider operating temperature range
  -50 °C to +60 °C (-58 °F to +140 °F)
- i-VMD License Bundled
- Fiber Optic Media Converter Unit (Optional WV-X65F1)

Industry examples
- Traffic
- Safe city
- Railway
- Critical infrastructure
- Airport
- Stadium
### Specifications

**Camera**

- Minimum Illumination: 0.015 lx, BW 0.006 lx
- F1.6, Maximum shutter: Off (-1/50s), AGC: -11°
- F1.6, Maximum shutter: 20 ms, 1/30s, AGC: -11°

**Intelligent Auto**

- On / Off

**Shutter Speed**

- 1/120 to 1/10000 Fix
- 1/120 to 1/10000 Fix is available during 30 fps mode only.
- 1/60 Fix is available during 60 fps mode only.

**Super Dynamic**

- Off, this level can be set in the range of 0 to 5.

**Dynamic Range**

- 44 dB (Super Dynamic: On)

**Image Processing**

- Adaptive brightness enhancement (APEL), Fog compensation, High light compensation (HLC), Digital noise reduction

**Color/BW (C/BW)**

- Off / Auto / Normal / Auto (IR Light) / Auto (B/C)

**Video Motion Detection (AVP)**

- Off / ON, 4 areas available

**Intelligent VMD (i-VMD)**

- Type 4: Bunched License

**Lens**

- **Zoom Ratio**
  - 40x Optical
  - 16x Digital Zoom
  - 4.25 mm – 170 mm {5/32 inches – 6-11/16 inches}

**Pan/Tilt**

- **Panning Range**
  - 360° Endless panning

- **Tilting Range**
  - Manual: Approx. 0.05°/s – 120°/s
  - Preset: Up to approx. 300°/s

**Input/Output**

- **Audio Input**
  - 3.5 mm stereo mini jack (monaural output)

**Power Source and Safety**

- **Power Source**
  - AC 24 V

- **Power Consumption**
  - PoE (IEEE802.3at compliant): DC 54V 470 mA, Approx. 25 W

**Environment**

- Ambient Operating Humidity: 10 % to 100 % (no condensation)

**Product Information**

- Color Model: Different (Fine silver)

**Optional Accessories**

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

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- Android is a trademark of Google LLC.

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### Appearance

- **Unit**: mm (inch)

- **Minimum Dimensions**
  - 393(15-15/32”)

- **Weight**
  - 660 g (Approx. 23 oz)

- **IK10 (IEC62262) / IP66 (IEC60529)**

- **Power Requirement**
  - PoE+ (IEEE802.3at compliant): DC 54V 470 mA, Approx. 25 W

### Network

- **Smart Codec**
  - On(Advanced)/ On(Auto)/ Off

- **Network Transmission**
  - IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTSP, RTCP, FTP, SMTP, DHCPv4, DNS, SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1X, DiffServ

- **Audio Compression**
  - On(Advanced)/ Off

- **Audio Transmission**: Off / Mic (on) / Audio output / Interface that supports / Interface that is not supported

- **Video**
  - CIF: QCI, QCI: QCI
  - JPEG: 1Mbit/s

- **Video Motion Detection (VMD)**

- **Audio Transmission Mode**
  - Off, On

### Optional Accessories

- **Fiber Optic Media Converter Unit**

- **Mount Bracket**

- **Color**
  - Different Color Model: WV-Q188 (Light gray)

- **Wall Mount Bracket**
  - WV-Q122A (Light silver)

- **Ceiling Mount Bracket**
  - WV-Q121B (Light silver)

- **Pole Mount Bracket**
  - WV-Q188 (Light silver)

- **Corner Mount Bracket**
  - WV-Q189 (Light silver)

### Trademarks

- iPod and iPhone
- Android
- OVN
- Onvif Inc
- Panasonic

### Important

- Safety Precaution: Carefully read the important information, installation guide and operating instructions before using the product.

- Panasonic cannot be responsible for the performance of the network and/or other manufacturers’ products used on the network.

### Notes

- *1 Converted value
- *2 Super Dynamic function is automatically set off on 60 fps mode.
- *3 Stabilizer, Auto track, Smart Facial Coding, i-VMD, can not be used at the same time.
- *4 If “0 °”, “–3 °”, “–5 °”, “–10 °”, or “–15 °” is selected, the area hidden by the camera housing may increase when the tilt angle of the camera is almost level. When “–15 °” is selected for “TILT Angle”, the upper half of images will be hidden.
- *5 Transmission for 4 streams can be individually set.
- *6 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).
- *7 Including alarms from Plug-in Software
- *8 The audio output can be switched to the monitor output. Refer to the Operating Instructions on the provided CD-ROM for descriptions of how to switch the output.

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