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 for pole mounts on roadways
- 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

Built-in Vehicle Incident Detection*
- Incident detection: Wrong-way, Stopped vehicle with video analytic technology
- Send alarm to Video Management System and/or Traffic Management System for immediate action
- The function is built-in the camera. No additional server is required.  
  *Optional software

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)
- Fiber Optic Media Converter Unit
  (Optional WV-X65F1)

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

### Camera
- **Image Sensor**: Approx. 1/2.8-type MOS image sensor
- **Minimum Illumination**:
  - Color: 0.015 Lx (BW: 0.006 Lx)
  - Maximum shutter: 1/30s (BW: 1/15s, AGC: 11)
- **Color/BW (ICR)**: Off / On / Auto (Normal) / Auto/2 Light / Auto / SOC
- **Video Mode Selection**:
  - 1080p: 25/30 fps
  - 1080i: 25/30 fps
  - 720p: 25/30 fps
- **Image Settings**:
  - Gray Balance (G/B): W: +80° / W: +80°
- **Image Compensation**:
  - Adaptive black stretch, Back light compensation (BLC), High light compensation (HLC), Digital noise reduction
- **Color/BW (ICR)**: Off / On / Auto
- **Vehicle Incident Detection**:
  - Detect "Stopped Vehicle" and "Wrong-way"
- **Camera Housing**:
  - Pan/Tilt, Zoom, Focus, Auto mode, Brightness, Preset, AUX, 1000-steps Preset
  - Tilting Range: Vertical: 1.2° (TELE) – 39° (WIDE)
  - Operational range: –15° – 195° (level – downward – level)
  - Selectable tilting angle: 10°/5°/3°/0°*/–3°*/–5°*/–10°*/–15°*/10°*2
- **Optional**: Pan/Tilt (200°), Auto pan, Patrol, Preset sequence
- **Audio Output**: 3 terminals (revert to factory default)
- **Video Output**: 3 terminals (revert to factory default)
- **Power Consumption**: 12W (Max. 16W)
- **EMC**: FCC (Class A), ICES003 Class A
- **Illustration**: [Image](313x249 to 340x290)

### Lens
- **Type**: Fixed focal length 2.8 mm
- **Focal length**: 3.0 mm (180°)
- **Aperture**: F/1.2

### Network
- **Network IF**:
  - 10Base-T / 100Base-TX, RJ45 connector
- **Image Protocol**:
  - IPv4: TCP/IP, UDP/IP, HTTP, FTP, RTSP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, GEE 500-1X, DiffServ
- **IPv6**: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTCP, FTP, TFTP, SMAP, CHOP, DNS, DUPS, NTP, SNTP, UPnP, IGMP, ICMP, ARP, EEE 802.1X, DiffServ
- **Audio protocol**: 100/1000 Mbps
- **Transmission Type**:
  - Audio Input: Off / Mic (Line) / Audio output / Interactive (Half duplex) / Interactive (Full duplex)
  - Audio Output: Off / Mic (Line) / Audio output / Interactive (Half duplex) / Interactive (Full duplex)
  - Microphone: Off / On

### Support Protocol
- **SCDC/SD-3DCD**
- **Memory Card (Option)**: SDHC / SDXC
- **Supported Codec**:
  - H.265 / H.264 / MJPEG / AVI / XVID / ACM
- **Alarm Actions**:
  - ALARM 1 (Alarm input 1/ ALARM OUT), ALARM 2 (Alarm input 2/ ALARM OUT) (for each)
- **Audio Input**: 3.5 mm stereo mini jack (monaural output)
- **Audio Output**: 3.5 mm stereo mini jack (monaural output)
- **Power Consumption**: 12W (Max. 16W)
- **Operating Temperature**: 40 to 104 °F (4 to 40 °C)
- **Storage Temperature**: –40 to 158 °F (–40 to 70 °C)

### General
- **Power Source**: 24 V AC (50 Hz/60 Hz)
- **Dimensions**:
  - WV-Q122A: 229 mm × 393 mm × 154 mm (9-13/16 inches × 15-15/32 inches × 6-1/4 inches)
  - WV-Q185A: 253 mm × 393 mm × 154 mm (10 inches × 15-15/32 inches × 6-1/4 inches)
- **Weight**: Approx. 1.85 kg (4.09 lbs.)

### Appearance
![Appearance](229x132)

### Optional Software
- **Plug-in Software for i-VMD WV-SAE200**
  - i-VMD is possible to detect objects in the specified area by advanced video analysis technology.
  - i-VMD: Intruder Detection, Loitering Detection, Direction Detection, Object Detection, Cross Line Detection

### Optional Accessories
- **Fiber Optic Media Converter Unit**
  - Extention Unit WV-X65F1 (Fire area)
    - Fiber Optic Media Converter Unit supports long distance optical networks by converting copper RJ45 to fiber.
  - **Basic specifications**:
    - Support specifications for SP module
- **Mount Bracket**
  - WV-Q121B
    - Ceiling Bracket
    - WV-Q122A
      - Wall Mount Bracket
      - WV-Q128A
    - Pole Mount Bracket
      - WV-Q128B
      - Corner Mount Bracket
      - WV-Q189

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### Masses and dimensions are approximate.

[Image](229x132)