NEW PRODUCT NEWS

4K PTZ REMOTE CAMERA (NDI®|HX)
KY-PZ510NW/NB

4K PTZ REMOTE CAMERA
KY-PZ510W/B

4K60P H.265/HEVC streaming, NDI® 5, SRT, and advanced auto tracking provides optimal image quality and performance for remote production over the internet.

Super-Wide 80-degree Field of View
Focal Length is 3.47mm to 41.7mm (21.8 mm to 261.8 mm, 35mm equivalent). Super-wide horizontal angle of view is 80° which is ideal for use in offices, classrooms, studios, event facilities, sports venues and houses of worship.

4K60p H.265/HEVC Streaming
Ultra-high resolution 4K60p streaming is ideal for viewing sports and events. Highly efficient H.265/HEVC compression technology also produces similar or better image quality than H.264 at 50% of the bitrate.

Multi-Slice Encoding Technology
Multi-slice encoding technology increases performance and efficiency while reducing latency to achieve optimal image quality of live transmissions in 4K60p HEVC mode.

NDI® 5
NDI® 5 provides plug-and-play LAN network system connectivity between the KY-PZ510N (Built-in NDI®|HX) and supported hardware. The cameras can also be controlled by network devices supporting NDI 5.

SRT
SRT advanced streaming technology uses automatic repeat request (ARQ) and forward error correction (FEC) to prevent packet loss typical for optimal internet content delivery. SRT also offers stream encryption for secure content protection.

SMART Auto Tracking
SMART (Subject Movement And Recognition Tracking) technology enables the camera to recognize and follow a specific person even within a small group in the frame. The target subject can be selected using the included remote control.

Still Image Capture
Up to four still images can be recorded internally. This is useful for storing the image from the camera’s current location or recalling its previous field of view.

Supported Remote Controls (Remote Production over the Internet)

Remote Camera Controller
RM-LP100

Live Streaming Production Suite
KM-IP6000/4000 Series

vMix
NewTek
**IP Address Display**
Display of the IP address in front of the camera for easy identification and confirmation.

**UVC (USB Video Class)**

**Multi-Camera Synchronization with VITC and NTP**
Multi-camera synchronization of live video streams is made possible with the VITC (Vertical Interval Time Code) and NTP (Network Time Protocol) used in 1080 60p mode. This feature is ideal for the mixing and streaming of concerts, shows, and sporting events where image synchronization is critical.

**General Specification**

**Camera**
- Sensor: 1/2.8 inch, CMOS, effective pixels: 8.4M
- Lens: Optical Zoom 12x, F1.8 to F3.7, F = 3.47mm to 41.7mm (21.8 mm to 261.8 mm, 35mm equivalent)
- Digital Zoom: Off, 4x, 8x, 16x
- Minimal Illumination: 0.5 lx @ (F1.8, AGC ON)
- Gain: 0 dB to 45 dB
- Shutter: [60Hz] 1/30s ~ 1/10000s [50Hz] 1/25s ~ 1/10000s

**Input / Output Interfaces**
- **HDMI Output**: TYPE A, Max 3840x2160 60p, 50p
- **3G-SDI Output**: BNC type (3G-SDI), Embedded audio
  - Video: SMPTE 424M, SMPTE 292M
  - Audio: SMPTE 299M, Max 1920x1188, 60p, 50p
- **Network Interface (LAN)**: RJ-45 (Ethernet) : 1000BASE-T/100BASE-TX
- **Audio Interface**: stereo mini jack 3.5 mm
- **USB**: Type-C for UVC (Host mode is not supported), Including UAC, UVC Ver1.0 - Ver1.5 MPE/HEVC/H.264, MAX: 3840x2160/60p25p
- **Communication Interface**: RS-232C 8pin Mini DIN, RS485 2pin phoenix port

**Network**
- **Video Compression**: H.265/HEVC, H.264, MotionJPEG
- **Video Stream**
  - Main Stream: Resolution: 3840x2160, Frame Rate: 30p to 60p
  - Sub Stream: Resolution: 3840x2160, Frame Rate: 30p to 60p
- **Streaming Protocol**
  - RTSP/RTMP: H.264: 3840x2160/60p50p/60Mbps with VITC
  - H.265: 3840x2160/60p50p/60Mbps with VITC
  - SRT: H.264: 3840x2160/60p50p/60Mbps with VITC
  - H.265: 3840x2160/60p50p/60Mbps with VITC
  - NDI: 5 (KX-PZ510N built in NDI®)
    - H.264: 3840x2160/60p50p/60Mbps
    - H.265: 3840x2160/60p50p/60Mbps with NDI®
  - SRT: H.264: 3840x2160/60p50p/60Mbps
  - H.265: 3840x2160/60p50p/60Mbps with NDI®

**Remote Protocol**
- NDI: Standard, Pelco, JVC (WEB API, RM-LP100)
- VITC, superimposition on streaming: RTSP, SRT, UDP
- 4K/60p support

**Generic Specification**
- **LED**: Tally in top of lens: Green x1, Red x 1, Power in front: Blue x1
- **Power**: DC12V (AC adapter), PoE+ (IEEE802.3at standard)
- **Power consumption**: 14.5W or less
- **Temperature**: Operating: 0°C ~ 40°C, Storage: -40°C ~ 60°C
- **Humidity**: Operating: 30% to 80%, Storage: Under 85%
- **Dimensions (W x H x D)**: 223.0mm x 166.4 x 155.0mm
- **Net Weight**: Approx. 2.0 kg

**For Instruction Manual**

**JVC Professional Video website**
USA
pro.jvc.com
Europe
eu.jvc.com/pro