JVC

Get Closer with 40x Zoom in HD

KY-PZ540NW/NB
KY-PZ540W/B

40x Zoom in HD, H.265/HEVC Streaming, NDI®, SRT, and Advanced Auto Tracking provides optimal image quality and performance for remote production over the Internet.
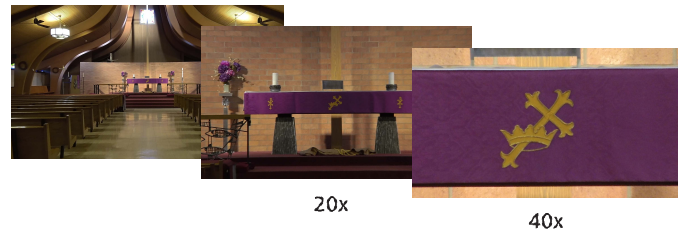
CONNECTED CAM™

4K   NDI|HX   vMix   SRT SECURE RELIABLE TRANSPORT   H.265/HEVC

■ 40x Zoom in HD using VSM Technology

40x full resolution zoom is achieved in HD with JVC Variable Scan Mapping (VSM) technology which dynamically scans the 4K sensor to produce a seamless & lossless image transition.
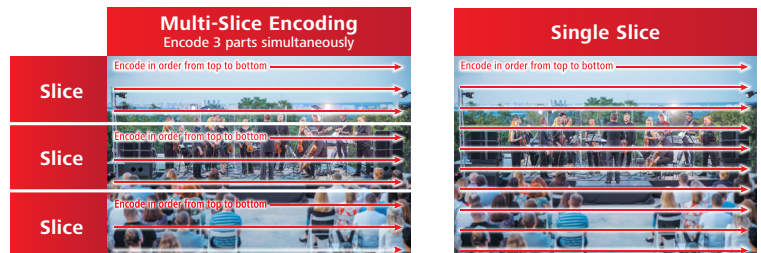
20x

40x

■ 4K60p H.265/HEVC Streaming

H.265/HEVC

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.
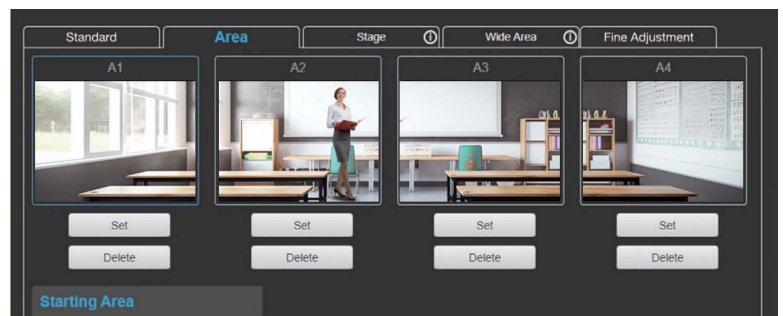
■ Multi-Slice Encoding Technology

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

Multi-Slice Encoding
Encode 3 parts simultaneously

Slice — Encode in order from top to bottom
Slice — Encode in order from top to bottom
Slice — Encode in order from top to bottom

Single Slice

Encode in order from top to bottom

■ Advanced SMART Auto Tracking

Standard, Area, Stage, Wide Area and Fine Adjustment Advanced SMART Auto Tracking (Subject Movement And Recognition Tracking) settings provide intelligent operation for sophisticated and engaging productions.

Sample illustrates a few of the <u>many</u> Auto Tracking options available!

Select Person

Standard	Area	Stage	Wide Area	Fine Adjustment
A1	A2	A3	A4

Set   Delete   Set   Delete   Set   Delete   Set   Delete

Starting Area

Full   Upper   Close

View our <u>Advanced Auto Tracking Brochure</u> for the FULL list of features

■ Remote Production Supported Products

Remote Control Panel	Compact Joystick PTZ Controller	12 NDI/SRT and 8 SDI Input vMix Studio Switcher
RM-LP100	RM-LP5G	KM-IP12S8/PRO

■ IP Address Display

Display of the IP address in front of the camera for easy identification and confirmation.

192. 168

■ UVC (USB Video Class)

Support for Webcam Usage , H.264 4K30p25p , MJPEG 4K30p25p.

■ General Specification
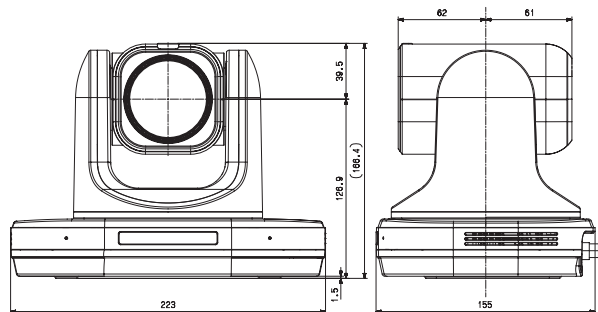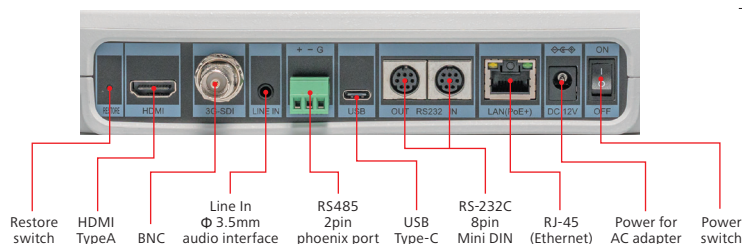
Camera

Sensor	1/1.8 Inch CMOS, Mega Pixels 8.42M
Lens	Optical Zoom in: HD= 40x, 4K= 20x f= 6.25mm to 125mm (30mm to 600mm 35mm equivalent)
Digital Zoom	2x, 4x, 8x, 16x
Minimal Illumination	0.5lx @ (F1.8, AGC ON)
Gain	0 dB to 45 dB
Shutter	【60Hz】 1/30s ~ 1/10000s 【50Hz】 1/25s ~ 1/10000s
White Balance	Auto, indoor, outdoor, one push, manual
Rotation Range	Horizontal ±162.5 °, Vertical -30°to +90°
Pan Tilt Speed	PAN: 1.8°/s to 80.5°/s, TILT: 1.5°/s to 49°/s
Image	H/V flip, Image freeze, H/V auto inverting function
Preset Accuracy	Number of presets: 255, Preset accuracy: 0.1˚
Digital Magnification	16x
Auto Focus	Yes

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 1920x1080, 60p, 50p
Network Interface (LAN)	RJ-45 (Ethernet): 1000BASE-T/100BASE-TX
Audio Interface	stereo mini jack φ 3.5mm
USB	Type-C for UVC (Host mode is not supported), Including UAC UVC Ver1.0 - Ver1.5 MJPEG/H.264 MAX: 3840x2160/30p25p
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: 640x360 to 3840x2160, Frame Rate: 25p to 60p **Sub Stream** Resolution: 320x240 to 1920x1080, Frame Rate: 25p to 60p

Streaming Protocol	**RTSP/RTP**
	H.264: 3840x2160/60p50p/60Mbps with VITC
	H.265: 3840x2160/60p50p(MultiSlice)/60Mbps with VITC
	          3840x2160/30p25p(SingleSlice)/60Mbps with VITC
	MJPEG: 1920x1080/60p50p
	RTMP, RTMPS
	H.264: 3840x2160/60p50p/60Mbps
	SRT
	H.264: 3840x2160/60p50p/60Mbps with VITC
	H.265: 3840x2160/60p50p(MultiSlice)/60Mbps with VITC
	          3840x2160/30p25p(SingleSlice)/60Mbps with
	VITC **NDI® (KY-PZ540N built in NDI®)**
	H.264: 3840x2160/60p50p/60Mbps
	H.265: 3840x2160/60p50p(MultiSlice)/60Mbps
	          3840x2160/30p25p(SingleSlice)/60Mbps

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℃～ 40℃ Storage: -40℃～ 60℃
Humidiy	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

■ Rear Panel

Restore switch | HDMI TypeA | BNC | Line In Φ 3.5mm audio interface | RS485 2pin phoenix port | USB Type-C | RS-232C 8pin Mini DIN | RJ-45 (Ethernet) | Power for AC adapter | Power switch

62 61
39.5
128.9 (166.4)
1.5
223 155

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