









A New Line of IP-Controlled PTZ Cameras provide Optimal Quality in Streaming and Remote Production over the Internet

Wide angle, NDI® | HX, SRT, VITC provide optimal streaming image quality and performance for Remote Production over the Internet.

House of Worship



■ Wide Field of View

Super-wide horizontal angle of view is 80° which is ideal for use in houses of worship, sports, and event venues.

KY-PZ510N series	3
KY-PZ400N series	4

Supports various protocols

Supports industry standard control protocols such as NDI®, Pelco, and JVC API, as well as SRT for streaming distribution.

KY-PZ5TU/N series	5
KY-PZ400N series	4
KY-PZ200/N series	1

Classrooms



■ 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.

KY-PZ510/N Series......3

Studios



■ 4K60p50p IP Streaming

4K 60p50p output capability for both IP streaming and HDMI, ideal for live productions, sporting events, and broadcasts.

KY-PZ510/N series	3
KY-PZ400N series4	(up to 4K30p25p)

■ HDMI output supports YUV 4:2:2 12bit and RGB 4:4:4 8bit.

KY-PZ510/N series3

Sports Venues



■ 30x Power Zoom

■ Multi-Camera Synchronization with VITC and NTP

Synchronization of live video streams is ideal for the mixing and streaming of concerts, shows, and sporting events.

KY-PZ510/N series	3
KY-PZ400N series	4
KY-P7200/N series	Δ

offices



Provides Webcam function via USB connection.

KY-PZ510/N series	3
KY-PZ200/N series	1

Zero Confid

Enables automatic camera detection for easy connection and set-up with JVC Live Production and Streaming Systems (KM-IP Series).

KY-PZ400N series	4
KY-P7200/N series	. 4

4K PTZ REMOTE CAMERA (NDI®|HX)

KY-PZ510NW/NB

4K PTZ REMOTE CAMERA **KY-PZ510W/B**

4K 60p50p 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.

■ YUV 4:2:2 12bit

HDMI output supports YUV 4:2:2 12bit and RGB 4:4:4 8bit. *Some switchers may not support the above signals.

■ 4K 60p50p Streaming to YouTube

You can stream 4K(2160p60) from KY-PZ510/N to YouTube.

■ 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.

■ 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.



■ NDI® 5



KY-PZ510N (Built-in NDI®|HX) support NDI®5. NDI®5 support Reliable UDP (RUDP) transmission protocol.

RUDP ensure reliability through retransmission with high-speed communication, such as UDP.

■ UVC (USB Video Class)

■ Multi-Camera Synchronization with VITC and NTP

■ Save Setup Files

You can save the menu settings as a setup file on a PC.

■ 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.





■ 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.

H.264/H.265/Motion JPEG and Dual Streaming

2-Color Tally Useful for Studio Shooting

■ IP Address Display

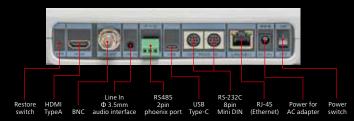
Display of the IP address in front of the camera for easy identification and confirmation.



■ Internal Microphone

A built-in microphone is for convenient conferencing, meeting.

Rear Panel



4K PTZ REMOTE CAMERA (NDI®|HX) **KY-PZ400NW/NB**

HD PTZ REMOTE CAMERA (NDI®|HX) **KY-PZ200NW/NB**

KY-PZ200W/B























■ 4K 1/2.5-inch CMOS Image Sensor

The KY-PZ400N is equipped with a 4K 1/2.5" CMOS image sensor with 8.51M effective pixels. The KY-PZ200N/PZ200 is equipped with an HD 1/2.8" CMOS image sensor with 2.07M effective pixels.

■ Powerful Optical Zoom:

KY-PZ400N

20 X KY-PZ200N/KY-PZ200



A performer's technique can be captured clearly, even in a large hall.



KY-PZ400N

Optical Zoom 12x f= 4.4mm – 52.8mm Approx. 26.4mm – 316.8mm (35mm equivalent) Digital zoom: 16x



KY-PZ200N/KY-PZ200

Optical Zoom 20x f= 4.4mm - 88.5mm Approx. 30.2mm - 606.9mm (35mm equivalent) Digital zoom: 16x

■ Quality Streaming with NDI® and SRT

For reliable, stable streaming, all models feature various QoS capabilities.



NDI* | HX is a high quality, low latency IP video transmission standard pioneered by NewTek.



SRT advanced streaming uses automatic repeat request (ARQ) and forward error correction (FEC) to prevent packet loss

typical for internet connections. SRT also offers stream encryption for content protection.

■ 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.

■ Wide Horizontal Angle of View: 71

KY-PZ400N

Wide horizontal angle is good for use in offices, classrooms, studios, and houses of worship.

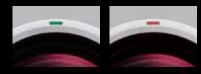


H.264/H.265/Motion JPEG and Dual Streaming

In addition to H.264, a video codec widely used in PCs, smartphones, or tablets, H.265 is also supported. Moreover, the dual streaming capability enables workflows such as editing videos with low load using low-resolution substreams and simultaneously generating edited videos with high-resolution mainstreams.

■ 2-Color Tally Useful for Studio Shooting

KY-PZ400N



A tally LED is available on top of the lens mount. It lights in either red or green depending on the mode, allowing

you to easily check the program status or standby mode even while camera is panning.

UVC (USB Video Class) Support for Webcam Usage

KY-PZ200N/KY-PZ200



USB 3.0 with UVC Support

Photo shows KY-PZ200N/

Using an optional USB cable, you can connect the KY-PZ200N/KY-PZ200 directly to a PC and use it as a webcam. This allows for web conferencing and remote lectures with high quality, high magnification images.

Your IP-Controlled HD Video Streaming and Delivery Solution



■ Wide Horizontal Angle of View: 63.7 Powerful Optical Zoom: 30x



Equipped with 30x optical zoom, the KY-PZ100 is capable of capturing distant subjects. Even in a grand hall or auditorium, the speaker's expressions and handwriting on a board will be clearly captured. 12x digital zoom is also available.





■ Super Fast Pan/Tilt of max. 480°/sec*.

With maximum 480°/sec*. movement offers the scene transition sharply. *In case with AC adapter. 400°/sec. with PoE+.

■ Super Slow Pan/Tilt of min. 0.1°/sec.

Extremely slow movement of 0.1°/sec. offers a good look at the scene even at high zoom rates.

■ 0.02 lx of Minimum Illumination for Precise Color Reproduction

In High-Sensitivity mode, minimum illumination is 0.02 lx. Superior color reproduction is ensured even at low light. The Night Mode is also available for even darker environments (0.003 lx of minimum illumination).





Normal color reproduction

High Sensitivity mode

■ Direct Drive Mechanism for Accurate and Quiet Pan/Tilt

The KY-PZ100 incorporates JVC's Direct Drive Motor that offers precise, highly responsive pan/tilt and silent movement compare to the normal stepping motor mechanism.

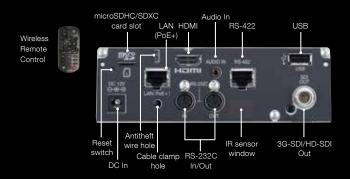
Operating noise of Direct Drive is approx. 20% lower than normal stepping motor system, which is especially suitable for the usage of classic concert, church and so on.

■ High Accuracy of +/-0.03° for Preset Positions

Adjusts to preset positions with high accuracy, offset less than 0.03°. Maintains precise shooting positions even at high magnification with virtually no deviation.

- Simultaneous Output of 3G-SDI and HDMI in addition to IP
- microSDHC/microSDXC Card Recording and File Upload Capability

The KY-PZ100 features a built-in digital recorder that records HD from 5Mbps to 50Mbps directly to microSDHC/microSDXC card. Recordings can be uploaded from the camera to an external server.



Comparison

		KY-PZ510N	KY-PZ510	KY-PZ400N	KY-PZ200N	KY-PZ200	KY-PZ100
C	amera						
	Resolution	3840x2160	0 60p50p	3840x2160 30p25p	1920x108	0 60p50P	1920x1080 60p50P
	Horizontal Angle	80	0	71°	60	.7°	63.7°
	Optical Zoom	12:	x	12x	20	Ox	30x
	Unique Feature	● Smart Auto Tracki ● IP Address Display ● Internal Micropho	у				Direct Drive Mechanism Recording (microSDHC,SDXC card)
N	letwork						
	IP Steraming	3840x2160	0 60p50p	3840x2160 30p25p	1920x108	0 60p50P	1920x1080 60p50P
	NDI®	NDI® 5 (KY-PZ510N	built in NDI® HX)	NDI® 4.x (KY-PZ400N built in NDI® HX)	NDI® 4.x (KY-PZ200	N built in NDI® HX)	
	SRT	Caller/Listener	/Rendezvous	✓			
	UVC	3840x2160	0 30p25p	Caller/L	istener 1920x108	0 30p25p	
	Multi-Camera Synchronization	✓	•	✓		/	

Remote Camera Controller

RM-LP100



This advanced controller connects to your network and provides complete IP control of multiple cameras on your network and over the Internet. Touch panel and control lever operation give you total control. Operate up to a hundred cameras from the controller.

- 7" touch-panel LCD for PTZ and CCU functions
- Professional zoom lever for smooth, variable speed zoom control
- Heavy duty control lever for precise pan/tilt control
- Focus dial with push-auto function
- User assignable function keys
- IP control of up to 100 cameras
- Tally Input/Output (D-Sub)



Peripheral devices and Partners

Haivision Makito X4

4K and HDR Video Decoder



Haivision Play 2000

4K Set-Top Box



Pro Convert Decoder Family (NDI® included)



HAIVISION

V-160HD

Streaming Video Switcher



HAIVISION

Live Streaming Production Suite

KM-IP6000 KM-IP4100 KM-IP4000/S*



Extron control panels

MVGEMETT

Extron_®



Roland

MGW ACE Decoder

4K HEVC, H.264 & MPEG-2 Decoder



BR-DE900

ProHD

ProHD HD/SD Decoder



IDS - 4RU Control Panel



ProHD

HD DENSITRON



VITEC



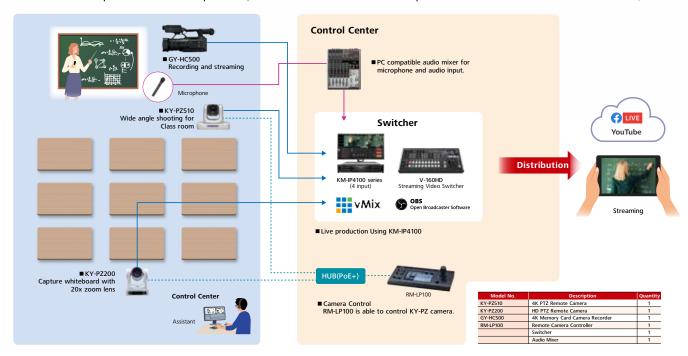


SKAARHOJ

^{*}We do not quarantee our prodoucts will work with all functions of peripheral devices. Some functions may not be available depending on the device and settings.



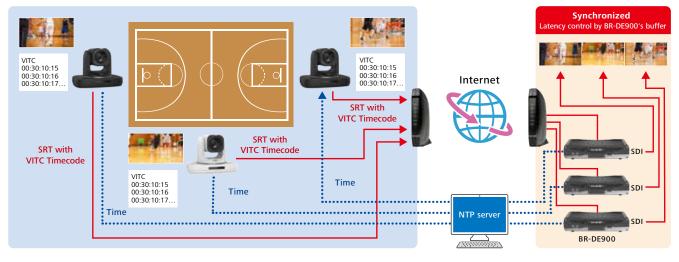
- Capture whiteboards and classroom and deliver them to Students.
- Purpose : Live Streaming the classes ■ Audio: 1 x Microphone for instructor speech
- Camera: 1 x for shooting whiteboard, 1 x for classroom, 1 x for recording and streaming
- Distribution: The assistant will operate the switcher and stream video to YouTube, etc.



■ Multi-Camera Synchronization with VITC and NTP

KY-PZ510/N, KY-PZ400N, KY-PZ200/N series

Multi-camera synchronization of live video streams is made possible with the VITC (Vertical Interval Time Code) and NTP (Network Time Protocol) used in 1920x1080 60p50p mode. This feature is ideal for the mixing and streaming of concerts, shows, and sporting events where image synchronization is critical.



General Specification

	KY-PZ510N	KY-PZ510	KY-PZ400N	KY-PZ200N	KY-PZ200	KY-PZ100
Camera						
Sensor	1/2.8 inch CMOS, effe	ective pixels: 8.40M	1/2.5 inch CMOS, effective pixels: 8.51M	1/2.8 inch, CMOS, e	ffective pixels: 2.07M	1/2.8 inch, CMOS, effective pixels: 2.13
ens	F1.8 to F3.7, f = 3.4 to 41.6mm 35mm equivalent (approx.): 21.8 to 261.8mm 12x		F1.8 to F2.6 f=4.4 to 52.8mm 35mm equivalent (approx.): 26.4 to 316.8mm	F1.8 to F2.8 f=4.4mm to 88.5mm 35mm equivalent (approx.): 30.2 to 606.9		F1.6 to F4.7 f=4.3 to 129mm 35mm equivalent (approx.): 30.5 to 915 mr
Optical Zoom			12x		20x	30x
gital Zoom 16x		16x	1	16x	12x	
Ainimal Illumination	2, 1, 111,		0.5lx @ (F1.8, AGC ON)			High sensitive mode ON: 0.02 lx
Gain 0 dB to 45 dB		0 dB to			0 dB to 48 dB	
hutter		[60]	Hz] 1/30s ~ 1/10000s 【50Hz】 1/25s ~ 1/10	000		1/6(E model) or 1/8(U model) to 1/1000
Vhite Balance			Auto, Indoor, Outdoor, One Push, Manual		FAW, AWB, AWB Paint, Indoor, Outdoor, Man	
angle of View	n Range Horizontal ±162.5 °, Vertical -30°to +90°		Horizontal: 71° to 8.2° Horizontal: 60.7° to 3.36° Horizontal ±170°, Vertical -30° to +90°			Horizontal: 63.7° to 2.3°
totation Range						Horizontal ±175 °, Vertical -30°to +90°
an Tilt Speed	peed PAN: 1.8°/s to 80.5°/s, TILT: 1.5°/s to 49°/s		PAN: 1.7°/s to 100°/s,	TILT: 1.7°/s to 69.9°/s		PAN: 0.1°/s to 480°/s (AC adapter) TILT: 0.1°/s to 300°/s (AC adapter)
mage		H/\	/ flip, Image freeze, H/V auto inverting functi	ion		H/V flip, Image freeze
Preset Accuracy			Number of preset: 255, Preset accuracy: 0.1°			Number of presets: 100
nput / Output Int	orfocos		Number of preset. 255, Freset decardey. 6.1			Preset accuracy: 0.03°
•	TYPE A, Max 3840x2	160 60n50n				
IDMI Output	YUV4:2:2 12bit RGB4:4		TYPE A, Max 3840x2160 30p25p	TYPE A, Max 1920x1	1080 60p50p	TYPE A, Max 1920x1080 60p50p
G-SDI Output		BNC type (3G-	DI), Embedded audio Video: SMPTE 424M, S	MPTE 292M Audio: S	MPTE 299M, Max 1920	0x1080 60p50p
letwork Interface(LAN)			RJ45: 10BASE-T/100B	ASE-TX/1000BASE-T		
Audio Interface	Φ3.5mm mini jack x1 LINE IN :Unbalance Internal Microphone		ФЗ.5mm mini jack LINE IN : Unbalar LINE OUT : Unba	nced Stereo		Φ3.5mm mini jack x1 LINE IN: Balanced Mono / Unbalaced Ster MIC IN: Balanced Monaural MIC IN: Unbalanced stereo plug-in power 2.
JSB	C type for UVC, Host mod UAC UVC 1.1 to 1.5,	de is not supported,	A type for maintenance	A type for maintenant B type USB3.0 for UV		A Type HOST x 1 for Network Connection
Communication nterface		RS232 OU	I: 8-pin mini DIN, Protocols: Standard/Pelco- T: 8-pin mini DIN, Protocols: Use only Standa -pin Phoenix port Protocols: Standard/Pelco-	rd protocol		RS232 IN: 8-pin mini DIN RS232 OUT: 8-pin mini DIN RS422: Serial Control (RJ-45)
Vetwork			p			
/ideo Compression			H.265/HEVC, H.264, MotionJPEG			H.264
/ideo Stream	Main Stream Resolu		40x2160 (KY-PZ510/N,KY-PZ400N) 1920x1080 (KY-PZ200/N), Frame Rate: 25p to 60p Resolution: 320x240 to 720x480, Frame Rate: 25p to 60p		ne Rate: 25p to 60p	Main Stream
TC	VIT		VITC		TITC	LTC
treaming Protocol :Vi		otocol / Resolution / I	Maximum Frame rate / Maximum bit rate	, , ,	depends on network	environment
	SRT 3840x2160 60p50p	60Mbps with VITC	SRT 1920x1080 60p50p 60Mbps with VITC	SRT 1920x1080 60p50p	60Mhns with VITC	
H.265/HEVC	NDI® 5 (KY-PZ510N b 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 60p50p	60Mbps with VITC puilt in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC	NDI® 4.x (KY-PZ400N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps	NDI® 4.x (KY-PZ200 1920x1080 60p50p	ON built in NDI® HX)	
H.265/HEVC	NDI® 5 (KY-PZ510N t 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 60p50p 3840x2160 30p25p t SRT 3840x2160 60p50p NDI® 5 (KY-PZ510N t 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC 3840x2160 30p25p	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps with VITC	1920x1080 60p50p 60Mbps RTSP/RTP	NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p UVC 1920x1080 30p25p	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC on built in NDI® HX) o 60Mbps o 60Mbps o 60Mbps	RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p
	NDI® 5 (KY-PZ510N t 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 30p25p 3840x2160 30p25p SRT 3840x2160 60p50p NDI® 5 (KY-PZ510N t 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps with VITC	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-P2400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS	NDI® 4.x (KY-PZ20C 1920x1080 60p50g RTSP/RTP 1920x1080 60p50g SRT 1920x1080 60p50g NDI® 4.x (KY-PZ20C 1920x1080 60p50g RTSP/RTP 1920x1080 60p50g RTMP, RTMPS 1920x1080 60p50g	ON built in NDI® HX) p 60Mbps d 60Mbps with VITC d 60Mbps with VITC D built in NDI® HX) p 60Mbps d 60Mbps d 60Mbps d 60Mbps	1920x1080 60p50p RTMP, RTMPS
H.264 Motion JPEG Others	NDI® 5 (KY-PZ510N ti 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 30p25p 3840x2160 30p25p SRT 3840x2160 60p50p NDI® 5 (KY-PZ510N ti 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC built in NDI® HX) 60Mbps with VITC 60Mbps	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p	NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC o 60Mbps with VITC o 60Mbps o 60Mbps o 60Mbps o 60Mbps o 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi
H.264 Motion JPEG Others demote Protocol	NDI® 5 (KY-PZ510N ti 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 30p25p 3840x2160 30p25p SRT 3840x2160 60p50p NDI® 5 (KY-PZ510N ti 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC built in NDI® HX) 60Mbps with VITC 60Mbps	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP RTSP/RTP	NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC o 60Mbps with VITC o 60Mbps o 60Mbps o 60Mbps o 60Mbps o 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p
H.264 Motion JPEG Others demote Protocol	NDI® 5 (KY-PZ510N II 3840x2160 60p50p 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p 3840x2160 60p50p NDI® 5 (KY-PZ510N II 3840x2160 60p50p NDI® 5 (KY-PZ510N II 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p UVC 3840x2160 60p50p UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 50Mbps with VITC 60Mbps with VITC 60Mbps with VITC 60Mbps 60Mbps 60Mbps 60Mbps	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p	NDI® 4.x (KY-PZ20C 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p NDI® 4.x (KY-PZ20C 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 30p25p RTSP/RTP 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 30p25p RTSP/RTP 1920x1080 30p25p (WEB API, RM-LP100)	ON built in NDI® HX) p 60Mbps d 60Mbps with VITC d 60Mbps with VITC D built in NDI® HX) p 60Mbps d 60Mbps d 60Mbps d 60Mbps d 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100)
H.264 Motion JPEG Others Jemote Protocol	NDI® 5 (KY-PZ510N ti 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 30p25p 3840x2160 30p25p SRT 3840x2160 60p50p NDI® 5 (KY-PZ510N ti 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG	60Mbps with VITC poult in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 50Mbps with VITC 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 60Mbps 60Mbps 60Mbps 60Mbps 60Mbps	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p Z400N,KY-PZ200N), Standard, Pelco, JVC	NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC	ON built in NDI® HX) p 60Mbps d 60Mbps with VITC d 60Mbps with VITC D built in NDI® HX) p 60Mbps d 60Mbps d 60Mbps d 60Mbps d 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi
H.264 Motion JPEG Others Remote Protocol General	NDI® 5 (KY-PZ510N ti 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 30p25p SRT 3840x2160 30p25p NDI® 5 (KY-PZ510N ti 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 50Mbps with VITC 60Mbps with VITC 60Mbps with VITC 60Mbps 60Mbps 60Mbps 60Mbps 60Mbps 60Mbps 60Mbps 60Mbps	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p	NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 30p25p UVC 1920x1080 30p25p UVC	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC o 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100)
Motion JPEG Others Remote Protocol General ED	NDI® 5 (KY-PZ510N ti 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 30p25p ti SRT 3840x2160 60p50p NDI® 5 (KY-PZ510N ti 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG 1000x2160 40p25p MPEG2-TS/RTP, MPEG 1000x2160 40p25p	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 50Mbps with VITC 60Mbps with VITC 60Mbps with VITC 60Mbps 60Mbps 60Mbps 60Mbps 60Mbps 62-TS/UDP NDI® (KY-PZ510N, KY-P	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4, x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p Tally in top of lens : Green x1, Red x 1 Power: Blue x 1, Standby: Yellow-green x 1 PCE+(IEEE802.3at standard), KY-PZ400 KY-P Approx. 0.62A (AC Adapter)	NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p SRT 1920x1080 60p50p SRTSP/RTP 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRTMP, RTMP, RTMPS 1920x1080 60p50p SRTSP/RTP 1920x1080 30p25p SRTSP/RTP 1920x10	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC o 60Mbps with VITC o 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100) Tally: Red x 1 DC12V (AC adapter), P0E+ 1.2 A (AC adapter)
Motion JPEG Others Remote Protocol General LED Dower Current consumption	NDI® 5 (KY-PZ510N I 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 30p25p I 3840x2160 30p25p I 3840x2160 60p50p NDI® 5 (KY-PZ510N I 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC 3840x2160 30p25p NTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG Tally in top of lens : Gre Power in front : Blue xI DC12V(AC ac 0.95A A (AC adapter) 0.25 A (PGE+)	60Mbps with VITC poult in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 50Mbps with VITC 60Mbps with VITC 60Mbps with VITC 60Mbps 60Mbps 60Mbps 60Mbps 60Mbps 60Mbps 62-TS/UDP NDI® (KY-PZ510N, KY-P LOIN RED X 1 dapter) , KY-PZ510/N	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p Tally in top of lens : Green x1, Red x 1 Power: Blue x 1, Standby: Yellow-green x 1 POE+(IEEE802.3at standard), KY-PZ400 KY-F Approx. 0.62A (AC Adapter) Approx. 0.18A (PoE)	NDI® 4.x (KY-PZ20C 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p NDI® 4.x (KY-PZ20C 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 30p25p (WEB API, RM-LP100) Power: Blue x 1, Stand Approx. 0.65A (AC A Approx. 0.19A (PoE)	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC o 60Mbps with VITC o 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100) Tally: Red x 1 DC12V (AC adapter), PoE+ 1.2 A (AC adapter) 0.4 A (POE+)
Motion JPEG Others temote Protocol General ED tower current consumption temperature	NDI® 5 (KY-PZ510N t 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 60p50p 3840x2160 30p25p SRT 3840x2160 60p50p NDI® 5 (KY-PZ510N t 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC 3840x2160 30p25p WFTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG 1920x1080 60p50p UVC 0.3840x2160 30p25p MPEG2-TS/RTP, MPEG 1920x1080 60p50p UVC 0.95A A (AC adapter) 0.25 A (PoE+) 0.95A A (AC adapter) 0.25 A (POE+) 0.95C A 0°C C 5torage: ~40°C Storage:	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 50Mbps with VITC 50Mbps with VITC 50Mbps 60Mbps	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p Z400N,KY-PZ200N), Standard, Pelco, JVC Tally in top of lens: Green x1, Red x 1 Power: Blue x 1, Standby: Yellow-green x 1 PoE+(IEEE802.3at standard), KY-PZ400 KY-P Approx. 0.62A (AC Adapter) Approx. 0.18A (PoE) Operating: Storage: -2C Operating:	NDI® 4.x (KY-PZ20C 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p NDI® 4.x (KY-PZ20C 1920x1080 60p50p NDI® 4.x (KY-PZ20C 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p NTMP, RTMPS 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 30p25p RTSP/RTP 1920x1080 30p25p NTMP, RM-LP100) Power: Blue x 1, Stand 22200/N PoE(IEEE802.: Approx. 0.65A (AC A Approx. 0.19A (PCE) 0°C to 50°C 10°C 10°C 10°C 10°C 10°C 10°C 10°C 1	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC o 60Mbps with VITC o 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100) Tally: Red x 1 DC12V (AC adapter), PoE+ 1.2 A (AC adapter) 0.4 A (PoE+) 0.9 operations: 0°C to 40°C Storage: -20°C to 50°C
H.264 Motion JPEG Others temote Protocol General EED Power Current consumption Temperature Humidiy	NDI® 5 (KY-PZ510N ti 3840x2160 60p50p 3840x2160 60p50p 3840x2160 60p50p 3840x2160 30p25p ti SRT 3840x2160 60p50p NDI® 5 (KY-PZ510N ti 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG 100x10 till till till till till till till til	60Mbps with VITC built in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps 60Mbps 60Mbps 60Mbps 40Mbps 60Mbps 60M	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC NDI® 4. x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps with VITC NDI® 4. x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p 2400N,KY-PZ200N), Standard, Pelco, JVC Tally in top of lens: Green x1, Red x 1 Power: Blue x 1, Standby: Yellow-green x 1 POE+(IEEB02.3at standard), KY-PZ400 KY-P Approx. 0.62A (AC Adapter) Approx. 0.18A (PoE) Operating: 3 Storage: 2C Operating: 3 Storage: 21	NDI® 4.x (KY-PZ20C 1920x1080 60p50p 1920x1080 30p25p 1920	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC o 60Mbps with VITC o 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100) Tally: Red x 1 DC12V (AC adapter), PoE+ 1.2 A (AC adapter) 0.4 A (PoE+) 0.9 C to 40°C Storage: -20°C to 50°C Operating: 30% to 80%
H.264 Motion JPEG	NDI® 5 (KY-PZ510N I 3840x2160 60p50p 3840x2160 30p25p RTSP/RTP 3840x2160 30p25p (SW2) 3840x2160 30p25p (SW2) 3840x2160 60p50p NDI® 5 (KY-PZ510N I 3840x2160 60p50p RTSP/RTP 3840x2160 60p50p RTMP, RTMPS 3840x2160 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG Tally in top of lens : Gre Power in front :Blue XI DC12V(AC ac 0.95A A (AC adapter) 0.25 A (PoE+) Operating: 0℃~ 40℃ Storage: -40℃ 60℃ Operating: 0℃ 60℃ Operating: 00℃ 40℃	60Mbps with VITC poult in NDI® HX) 60Mbps 60Mbps 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 60Mbps with VITC 90Mbps	1920x1080 60p50p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps SRT 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps RTSP/RTP 1920x1080 60p50p Z400N,KY-PZ200N), Standard, Pelco, JVC Tally in top of lens: Green x1, Red x 1 Power: Blue x 1, Standby: Yellow-green x 1 PoE+(IEEE802.3at standard), KY-PZ400 KY-P Approx. 0.62A (AC Adapter) Approx. 0.18A (PoE) Operating: Storage: -2C Operating:	NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p SRT 1920x1080 60p50p NDI® 4.x (KY-PZ200 1920x1080 60p50p RTSP/RTP 1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 60p50p UVC 1920x1080 30p25p RTSP/RTP 1920x1080 30p25p (WEB API, RM-LP100) Power: Blue x 1, Stand 2200/N Poe(IEEE802.: Approx. 0.19A (Poe) 0°C to 40°C 0°C to 50°C 0% to 80% mm x 169mm	ON built in NDI® HX) o 60Mbps o 60Mbps with VITC o 60Mbps with VITC o 60Mbps with VITC o 60Mbps	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100) Tally: Red x 1 DC12V (AC adapter), PoE+ 1.2 A (AC adapter) 0.4 A (PoE+) 0.9 operationg: 0°C to 40°C Storage: -20°C to 50°C

KY-PZ510/N

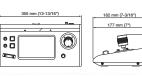
KY-PZ400N, KT-PZ200/N



KY-PZ100



RM-LP100



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