









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 series ......3

# **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

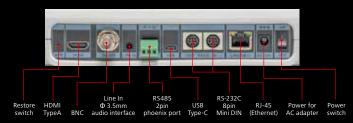
Display of the IP address in front of the camera for easy identification and confirmation.



# 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/ KY-PZ200.

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.

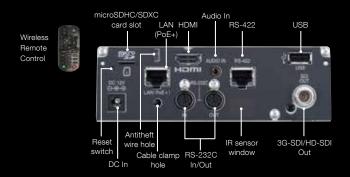
Operating noise of Direct Drive is approx. 20% lower than normal stepping motor system, which is especially suitable for the usage of classic concert, church and so on.

# ■ 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	<b>✓</b>	•	✓		/	

**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\* \*for Americas market



# **Extron control panels**

**MVGEMETT**,

Extron<sub>®</sub>



# **Roland**

### MGW ACE Decoder

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



# **BR-DE900**

ProHD HD/SD Decoder

ProHD



# **IDS - 4RU Control Panel**



# ProHD





**VITEC** 



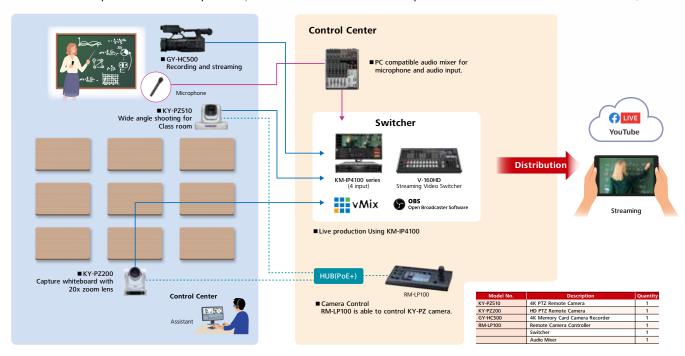




<sup>\*</sup>We do not guarantee our prodoucts will work with all functions of peripheral devices. Some functions may not be available depending on the device and settings.



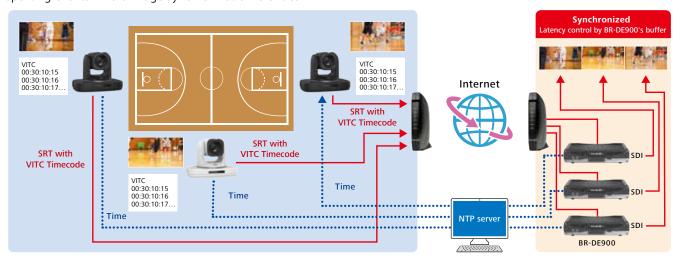
- Capture whiteboards and classroom and deliver them to Students.
- Purpose : Live Streaming the classes ■ Audio: 1 x Microphone for instructor speech
- Camera: 1 x for shooting whiteboard, 1 x for classroom, 1 x for recording and streaming
- Distribution: The assistant will operate the switcher and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

<u></u>	KY-PZ510N KY-PZ510	KY-PZ400N	KY-PZ200N KY-PZ200	KY-PZ100	
Camera					
Sensor	1/2.8 inch CMOS, effective pixels: 8.40M	1/2.5 inch CMOS, effective pixels: 8.51M	1/2.8 inch, CMOS, effective pixels: 2.07M	1/2.8 inch, CMOS, effective pixels: 2.13I	
ens	F1.8 to F3.7, f = 3.4 to 41.6mm	F1.8 to F2.6 f=4.4 to 52.8mm	F1.8 to F2.8 f=4.4mm to 88.5mm	F1.6 to F4.7 f=4.3 to 129mm	
Optical Zoom	35mm equivalent (approx.): 21.8 to 261.8mm 12x	35mm equivalent (approx.): 26.4 to 316.8mm	35mm equivalent (approx.): 30.2 to 606.9mm	35mm equivalent (approx.): 30.5 to 915 mr 30x	
•	16x	12x 20x			
		16x	16x	12x	
		0.5lx @ (F1.8, AGC ON)		High sensitive mode ON: 0.02 lx	
Gain 0 dB to 45 dB [60Hz		0 dB to	0 dB to 48 dB		
	[60]	tz] 1/30s ~ 1/10000s [50Hz] 1/25s ~ 1/10	1/6(E model) or 1/8(U model) to 1/100		
Vhite Balance		Auto, Indoor, Outdoor, One Push, Manual	FAW, AWB, AWB Paint, Indoor, Outdoor, Man		
ngle of View	Horizontal: 80° to 8°	Horizontal: 71° to 8.2° Horizontal: 60.7° to 3.36°		Horizontal: 63.7° to 2.3°	
Rotation Range Horizontal ±162.5 °, Vertical -30° to +90		Horizontal ±170 °, V	/ertical -30°to +90°	Horizontal ±175°, Vertical -30°to +90°	
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)	
11L1: 1.575 to 4975		flip, Image freeze, H/V auto inverting functi	ion	H/V flip, Image freeze	
9		1. 3		Number of presets: 100	
reset Accuracy		Number of preset: 255, Preset accuracy: 0.1°		Preset accuracy: 0.03°	
nput / Output In					
DMI Output	TYPE A, Max 3840x2160 60p50p YUV4:2:2 12bit RGB4:4:4 8bit	TYPE A, Max 3840x2160 30p25p	TYPE A, Max 1920x1080 60p50p	TYPE A, Max 1920x1080 60p50p	
G-SDI Output	BNC type (3G-S	DI), Embedded audio Video: SMPTE 424M, S	MPTE 292M Audio: SMPTE 299M, Max 192	0x1080 60p50p	
etwork Interface(LAN)		RJ45: 10BASE-T/100B	ASE-TX/1000BASE-T		
	Ф3.5mm mini jack x1	Φ3.5mm mini jack	v1	Ф3.5mm mini jack x1	
Audio Interface	LINE IN :Unbalanced Stereo	LINE IN : Unbalai		LINE IN: Balanced Mono / Unbalaced Ste	
	Internal Microphone	LINE OUT : Unba		MIC IN: Balanced Monaural MIC IN: Unbalanced stereo plug-in power 2	
	· ·			MIC IN: Unbalanced stereo plug-in power 2	
JSB	C type for UVC, Host mode is not supported, UAC UVC 1.1 to 1.5,	A type for maintenance	A type for maintenance B type USB3.0 for UVC 1.1 to 1.5,	A Type HOST x 1 for Network Connection	
	·		**		
Communication	RS232 IN	l: 8-pin mini DIN, Protocols: Standard/Pelco- l: 8-pin mini DIN, Protocols: Use only Standa	D/Pelco-P	RS232 IN: 8-pin mini DIN RS232 OUT: 8-pin mini DIN	
nterface	RS485: 2	pin Phoenix port Protocols: Standard/Pelco-	D/Pelco-P	RS422: Serial Control (RJ-45)	
Vetwork					
/ideo Compression		H.265/HEVC, H.264, MotionJPEG		H.264	
/ideo Stream		40x2160 (KY-PZ510/N,KY-PZ400N) 1920x10		Main Stream	
		Resolution: 320x240 to 720x480, Frame Rate	1 1		
TC	VITC	VITC	VITC	LTC	
treaming Protocol :V	ideo Compression / Protocol / Resolution / N		*Streaming quality depends on network	environment	
	SRT 3840x2160 60p50p 60Mbps with VITC	SRT   1920x1080 60p50p 60Mbps with VITC	SRT 1920x1080 60p50p 60Mbps with VITC		
			1 1920X1080 00p30p 00lvlbps With VIIC		
		1320x1000 00p30p 00lwbp3 with vite			
	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI® HX)	NDI® 4.x (KY-PZ400N built in NDI® HX)	NDI® 4.x (KY-PZ200N built in NDI® HX)		
H.265/HEVC	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI® HX) 3840x2160 60p50p 60Mbps		NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps		
H.265/HEVC	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI® HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps	NDI® 4.x (KY-PZ400N built in NDI® HX) 1920x1080 60p50p 60Mbps	1920x1080 60p50p 60Mbps		
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H.265/HEVC	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI® HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP	NDI® 4.x (KY-PZ400N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP	1920x1080 60p50p 60Mbps RTSP/RTP		
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	3840x2160 30p25p 60Mbps with VITC NDI® (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps WITSP/RTP 3840x2160 60p50p 60Mbps WITSP/RTP 3840x2160 60p50p 60Mbps WITSP/RTP 3840x2160 60p50p 60Mbps WITSP/RTMP, RTMPS	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS	1920x1080 60p50p RTMP, RTMPS	
	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI® HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC SRT 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI® HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC  NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps	1920x1080 60p50p	
	3840x2160 30p25p 60Mbps with VITC NDI® (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps WITSP/RTP 3840x2160 60p50p 60Mbps WITSP/RTP 3840x2160 60p50p 60Mbps WITSP/RTP 3840x2160 60p50p 60Mbps WITSP/RTMP, RTMPS	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS	1920x1080 60p50p RTMP, RTMPS	
	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI® HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC SRT 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI® HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps With VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps WITC RTMP, RTMPS 3840x2160 30p25p RTSP/RTP	NDI® 4.x (KY-PZ400N built in NDI® HX) 1920x1080 60p50p 60Mbps  RTSP/RTP 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC  NDI® 4.x (KY-P2200N built in NDI®   HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP	1920x1080 60p50p RTMP, RTMPS	
	3840x2160 30p25p 60Mbps with VITC NDI® 5 (K-Y-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 60p50p	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 60p50p 60Mbps	1920x1080 60p50p RTMP, RTMPS	
H.264	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC SRT 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps With VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC	NDI® 4.x (KY-PZ400N built in NDI® HX) 1920x1080 60p50p 60Mbps  RTSP/RTP 3840x2160 30p25p 60Mbps with VITC NDI® 4.x (KY-PZ400N built in NDI® HX) 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 30p25p 60Mbps with VITC RTMP, RTMPS 3840x2160 30p25p 60Mbps	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC  NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 60p50p 60Mbps UVC UVC 1920x1080 60p50p 60Mbps UVC UVC UVC 1920x1080 60p50p 60Mbps UVC	1920x1080 60p50p RTMP, RTMPS	
H.264	3840x2160 30p25p 60Mbps with VITC NDI® 5 (K-Y-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 60p50p	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 60p50p 60Mbps	1920x1080 60p50p RTMP, RTMPS	
H.264  Motion JPEG Others	3840x2160 30p25p 60Mbps with VITC NDI® 5 (K-Y-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSY/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSY/RTP 3840x2160 60p50p 60Mbps With VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSY/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi	
H.264  Motion JPEG  Others emote Protocol	3840x2160 30p25p 60Mbps with VITC NDI® 5 (K-Y-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSY/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSY/RTP 3840x2160 60p50p 60Mbps With VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSY/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p	
H.264  Motion JPEG  Others emote Protocol inneral	3840x2160 30p25p 60Mbps with VITC NDI® 5 (K-Y-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RT5P/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP NDI® (KY-PZ510N, KY-P III) in top of lens : Green x1, Red x 1	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100)	
H.264  Motion JPEG  Others emote Protocol ieneral	3840x2160 30p25p 60Mbps with VITC NDI® (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 875YRTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps WITH VITC RTIMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP NDI® (KY-PZ510N, KY-PZ510N, KY-P	NDI® 4.x (KY-PZ400N built in NDI® HX) 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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC  NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 30p25p  RTSP/RTP 1920x1080 30p25p  WEB API, RM-LP100)  Power: Blue x 1, Standby: Yellow-green x 1	1920x1080 60p50p RTMP, RTMPS 1920x1080 60p50p  MPEG2 TS/UDP, MPEG2 TS/RTP, Zixi Standard, JVC (WEB API, RM-LP100)  Tally: Red x 1	
H.264  Motion JPEG  Others emote Protocol ieneral	3840x2160 30p25p 60Mbps with VITC NDI® (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 3840x2160 30p25p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP NDI® (KY-PZ510N, KY-PZ510N, KY-PZ510N, KY-PZ510N, KY-POwer in front :Blue x1 DC12V(AC adapter) , KY-PZ510/N IN SAME AND SA	NDI® 4.x (KY-PZ400N built in NDI® HX) 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  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	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC  NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 30p25p  (WEB API, RM-LP100)  Power: Blue x 1, Standby: Yellow-green x 1 Z200/N PoE(IEEE802.3af standard)	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+	
H.264  Motion JPEG  Others lemote Protocol General ED Power	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 875P/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP NDI® (KY-PZ510N, KY-PZ510N, KY-PZ510N, KY-PZ510N, KY-PZ510N, KY-PZ510N I D012V (AC adapter) , KY-PZ510/N I 0.95A A (AC adapter) , KY-PZ510/N I 0.95A A (AC adapter)	NDI® 4.x (KY-PZ400N built in NDI® HX) 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  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 PCE+(IEEE802.3at standard), KY-PZ400 KY-P Approx. 0.62A (AC Adapter)	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 30p25p (WEB API, RM-LP100)  Power: Blue x 1, Standby: Yellow-green x 1  2200/N PoE(IEEE802.3af standard)   Approx. 0.65A (AC Adapter)	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)	
Motion JPEG Others Remote Protocol General ED Power	3840x2160 30p25p 60Mbps with VITC NDI® (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 875FYRTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps WITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x160 50p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP NDI® (KY-PZ510N, KY-PZ510N,	NDI® 4.x (KY-PZ400N built in NDI® HX) 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  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. 0.62A (AC Adapter) Approx. 0.18A (Pelc)	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC  NDI® 4.x (KY-P2200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 30p25p  (WEB API, RM-LP100)  Power: Blue x 1, Standby: Yellow-green x 1  Z200/N PoE(IEEE802.3af standard)   Approx. 0.65A (AC Adapter)   Approx. 0.65A (AC Adapter)	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) 1.2 A (AC adapter) 0.4 A (P0E+)	
H.264  Motion JPEG  Others demote Protocol General ED Ower	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 87T5P/RTP 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP NDI® (KY-PZ510N, KY-PZ510Y, MPEG2-TS/RTP, MPEG2-TS/RTP, MPEG2-TS/RTP, MPEG2-TS/RTP, MPEG2-TS/RTP, MPEG2-TS/RTP, MPEG2-TS/RTP 10C12V(AC adapter) , KY-PZ510/N I 0.95A A (AC adapter) 0.25 A (POE+)	NDI® 4.x (KY-PZ400N built in NDI® HX) 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  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 PCE+(IEEE802.3at standard), KY-PZ400 KY-P Approx. 0.62A (AC Adapter)	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p RTSP/RTP 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p (WEB API, RM-LP100)  Power: Blue x 1, Standby: Yellow-green x 1  Z200/N POE(IEEE802.3af standard) Approx. 0.65A (AC Adapter) Approx. 0.19A (PoE)	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)	
H.264  Motion JPEG  Others semote Protocol General  ED ower current consumption semperature	3840x2160 30p25p 60Mbps with VITC NDI® (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 8759/RTP 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p built of NDI® (KY-PZ510N, KY-PZ510N, KY	NDI® 4.x (KY-PZ400N built in NDI® HX) 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 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)  Operations: Storage: -2C Operations:	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC  NDI® 4.x (KY-P2200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p  RTSP/RTP 1920x1080 30p25p  (WEB API, RM-LP100)  Power: Blue x 1, Standby: Yellow-green x 1  VZ200/N PoE(IEEE802.3af standard)   Approx. 0.65A (AC Adapter)   Approx. 0.19A (PoE)   O°C to 40°C   O°C to 40°C   O°C to 40°C   O°C to 50°C   O% to 80%	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+) Operationg: 0°C to 40°C Storage: -20°C to 50°C	
H.264  Motion JPEG  Others temote Protocol General ED Tower Current consumption Temperature	3840x2160 30p25p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 87T5P/RTP 3840x2160 60p50p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 30p25p 60Mbps with VITC 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p UVC 3840x2160 30p25p MPEG2-TS/RTP, MPEG2-TS/UDP NDI® (KY-PZ510N, KY-PZ510/N I DC12V (AC adapter) , KY-PZ510/N I DC12V (AC adapter) , KY-PZ510/N I Operating: 0°C~ 40°C Storage: 40°C~ 60°C Operating: 30% to 80% Storage: Under 85%	NDI® 4.x (KY-PZ400N built in NDI® HX) 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  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 Poet-(IEEE802.3at standard), KY-PZ400 KY-P Approx. 0.62A (AC Adapter) Approx. 0.18A (PoE)  Operationg: Storage: JC Operating: St	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p RTSP/RTP 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p (WEB API, RM-LP100)  Power: Blue x 1, Standby: Yellow-green x 1  Z200/N POE(IEEE802.3af standard) Approx. 0.65A (AC Adapter) Approx. 0.19A (PoE) 0°C to 40°C 0°C to 50°C 0% to 80% nder 85%	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+) Operationg: 0°C to 40°C Storage: -20°C to 50°C Operating: 30% to 80%	
Motion JPEG Others Remote Protocol General LED	3840x2160 30p25p 60Mbps with VITC NDI® (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps 8759/RTP 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps with VITC NDI® 5 (KY-PZ510N built in NDI®   HX) 3840x2160 60p50p 60Mbps RTSP/RTP 3840x2160 60p50p 60Mbps with VITC RTMP, RTMPS 3840x2160 60p50p 60Mbps UVC 3840x2160 30p25p RTSP/RTP 1920x1080 60p50p built of NDI® (KY-PZ510N, KY-PZ510N, KY	NDI® 4.x (KY-PZ400N built in NDI® HX) 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 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)  Operations: Storage: -2C Operations:	1920x1080 60p50p 60Mbps  RTSP/RTP 1920x1080 60p50p 60Mbps with VITC  SRT 1920x1080 60p50p 60Mbps with VITC NDI® 4.x (KY-PZ200N built in NDI® HX) 1920x1080 60p50p 60Mbps RTSP/RTP 1920x1080 60p50p 60Mbps with VITC RTMP, RTMPS 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p RTSP/RTP 1920x1080 60p50p 60Mbps UVC 1920x1080 30p25p (WEB API, RM-LP100)  Power: Blue x 1, Standby: Yellow-green x 1  Z200/N POE(IEEE802.3af standard) Approx. 0.65A (AC Adapter) Approx. 0.19A (PoE) 0°C to 40°C 0°C to 50°C 0% to 80% nder 85%	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+) Operationg: °C to 40°C Storage: -20°C to 50°C	

# KY-PZ510/N

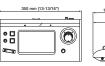
# KY-PZ400N, KT-PZ200/N



### **KY-PZ100**



# RM-LP100





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#### For Instruction Manual



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