3G-SDI/HD-SDI clearly captured. 12x digital zoom is also available. The speaker's expressions and handwriting on a board will be capturing distant subjects. Even in a grand hall or auditorium, Equipped with 30x optical zoom, the KY-PZ100 is capable of Powerful 30x Optical Zoom. Night Mode is also available for even darker environments. Superior color reproduction is ensured even at low light. The KY-PZ100W of Minimum Illumination for Precise Color Reproduction

Precise Color Reproduction

0.02 lx of Minimum Illumination for Normal color reproduction. High Sensitivity mode

0.003 lx (B/W)

Night mode ON: 0.003 lx (B/W)

High sensitive mode ON: 0.02 lx

Gain 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36, 42, 48 dB

Shutter Speed 1/8 to 1/10000 (U model), 1/6 to 1/10000 (E model)

Digital Zoom 12x

30x Optical Zoom (30.5mm to 915mm  (35mm equivalent))

Lens  F1.6 (wide) to F4.7 (Tele)  f=4.3mm to 129mm

Image Sensor 1/2.8" CMOS 2.13M pixel

CAMERA

HD (H.264)

Video Recording Video codec: MPEG-4 AVC/H.264

Number of Slot 1 slot

Recording Media microSDHC/microSDXC memory card (Class 6/10)

LiveView mode 640x360, 320x180

640x360 (29.97p, 25p)

1280x720 (59.94p, 50p, 29.97p, 25p)

1920x1080 (59.94p, 50p, 29.97p, 25p, 59.94i, 50i)

Video MPEG-4/AVC H.264

RTMP

Streaming

RS-232C Mini DIN 8pin (IN), Mini DIN 8pin (OUT)

RS-422 Serial Control (RJ-45)

LAN Terminal RJ-45 x 1, PoE+: 42V to 57V  Ethernet: 100BASE-TX, 1000BASE-T

Power) (LINE: Balanced Mono/Imbalanced STEREO)

HD Video Output SDI output (3G support: BNC x1), HDMI output x1

Preset Position  100 points

Pan Angle ±175°

White Balance FAW, AWB, 3200K, 5600K, MANUAL

Night mode ON: 0.003 lx (B/W)

High sensitive mode ON: 0.02 lx

Gain 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36, 42, 48 dB

Shutter Speed 1/8 to 1/10000 (U model), 1/6 to 1/10000 (E model)

Digital Zoom 12x

30x Optical Zoom (30.5mm to 915mm (35mm equivalent))

Lens  F1.6 (wide) to F4.7 (Tele)  f=4.3mm to 129mm

Image Sensor 1/2.8" CMOS 2.13M pixel

CAMERA

Supported Remote Controller RM-LP100

Finish KY-PZ100B: Black / KY-PZ100W: White

Storage Humidity Under 85%

Operating Humidity 30% to 80%

Strage Temperature -20°C to 50°C ( 14°F to 122°F)

Dimensions 154 (W) x 200.7 (H) x 191 (D) mm

Power Consumption 1.6A (AC adapter), 0.4A (PoE+ power supply)

Power DC12V (AC adapter), DC42V to 57V (PoE+ power supply)

GENERAL SPECIFICATIONS

RM-LP100: Specifications

KY-PZ100B / PZ100W: Specifications

Your IP-Controlled HD Video Streaming and Delivery Solution

JVC

DISTRIBUTED BY
Acquire From The World. Deliver To The World.

The IP camera that really works for you — from conferences and lectures to concerts and weddings. Stream live, control in remote locations, and distribute it worldwide. Create a powerful combination of the PTZ IP camera and the camera controller, from JVC.

RTMP protocol support enables direct streaming to YouTube, etc. Other various RTMP for Direct Streaming to Content Delivery Network

The KY-PZ100 is the PTZ camera that features JVC's

and 4G/LTE*

Versatile IP Connectivity including Wi-Fi*

IP Video Streaming, Distribution and Control Solution

microSDXC Card

Ethernet

Adapter

*Wi-Fi and 4G/LTE require optional network adapter.

Deliver To The World.

Acquire From The World.

of the PTZ IP camera and the camera controller, from JVC.

lectures to concerts and weddings. Stream it live, control it in remote

Using a browser, video monitoring and remote camera

control can be performed with a PC from all over the

world.

control can be performed with a PC from all over the

world.

Note: Some functions or connections on this configuration may be limited depending on modes of KY-PZ100 and RM-LP100 or combination of equipment.

Deliver To The World.

Acquire From The World.
3G-SDI/HD-SDI Powerful 30x Optical Zoom
Night Mode is also available for even darker environments
Precise Color Reproduction
0.02 lx of Minimum Illumination for High Sensitivity mode
KY-PZ100B
KY-PZ100W
RM-LP100

Direct Drive Mechanism for Accurate and Quiet Pan/Tilt
This KY-PZ100 incorporates JVC’s Direct Drive Motor that offers precise, high-performance pan/tilt and direct control compared to the normal driving and control mechanisms.
Super Fast Pan/Tilt of max. 480°/sec.* with maximum 200°/sec. for smooth transition sharply.
Super Slow Pan/Tilt of min. 0.1°/sec. offers a good look at extremely slow movement of 0.03°.
G

High Accuracy of +/-0.03˚ for Preset Positions
Adjusts to preset positions with high accuracy of less than 0.03˚. Maintains a precise shooting position even at high magnification or under totally darkness without mark or slip.

0.02 lx of Minimum Illumination for Precise Color Reproduction
Superior color reproduction is around even of low light. The Night Mode is also available for even darker environments (0.03 lx of minimum illumination).

Powerful 30x Optical Zoom
Super Slow Pan/Tilt of min. 0.1˚/sec.

Extremely Silent Operation
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.

G

JVC’s Direct Drive Motor

High Accuracy of +/-0.03˚ for Preset Positions

Your IP-Controlled HD Video Streaming and Delivery Solution

RM-LP100
Remote Camera Controller
HD PTZ Remote Camera
KY-PZ100B (Black)
KY-PZ100W (White)

Supported Remote Controller RM-LP100
Finish KY-PZ100B: Black / KY-PZ100W: White

Operating Humidity 20% to 90% (No dew)
Operation Temperature 0°C to 40°C (32°F to 104°F)
Weight Approx. 2.0 kg
Dimensions 154 (W) x 200.7 (H) x 191 (D) mm
Power DC12V (AC adapter), DC42V to 57V (PoE+ power supply)

Direct ceiling mount bracket, Screws (M3), Screws (M2.6), Screws (M2), Screws (M3), screws (M2), Screws (M2.6), Screws (M2)

Audio Recording LPCM 2ch, 48kHz/16-bit (MOV), µ-low 2ch (5Mbps)

1920x1080/50i (5Mbps), 1280x720/25p (5Mbps)
1920x1080/50p (28Mbps)
1920x1080/50i, 25p (35Mbps), 1280x720/50p (35Mbps)
1920x1080/59.94i (5Mbps), 1280x720/29.97p (5Mbps)
1920x1080/59.94i, 29.97p (18Mbps), 1280x720/59.94p, 29.97p (18Mbps)
1920x1080/59.94p (28Mbps)

HD (H.264)

File format: Quick Time

VIDEO/AUDIO RECORDING

640x360 (29.97p, 25p)
1920x1080 (59.94p, 50p, 29.97p, 25p, 59.94i, 50i)
Video MPEG-4/AVC H.264

RTMP

USB HOST x 1 (Network Connection)
RS-422 Serial Control (RJ-45)
LAN Terminal RJ-45 x 1, PoE+: 42V to 57V  Ethernet: 100BASE-TX, 1000BASE-T

HD Video Output SDI output (3G support: BNC x1), HDMI output x1

Tally D-Sub 9pin Input/Output: 3pin/5pin, 4pin/4pin, 5pin/3pin, Variable

AWB TRIGGER, Focus (AUTO/MANUAL), Streaming, REC

Assignable Functions

Control Lever F3 Zoom, Iris, Focus, No function
USER Button (USER1/USER2)      Exposure (AUTO/Shutter/Iris/MANUAL)

Rotary Switch F1/F2 WB R/B, AE level, Speed (PAN/TILT), Shutter, Gain, Iris, Focus, Detail

SUPPLIED ACCESORIES

LAN Terminal 10BASE-T/100BASE-TX

Interface

Preset Position  100 points
Tilt Angle -30° to +90°
Pan Speed Max 480°/s (AC Adapter) Max 400°/s (PoE+ Power supply)
Pan Angle ±175°
S/N Ratio 50dB
White Balance FAW, AWB, 3200K, 5600K, MANUAL
Night mode ON: 0.003 lx (B/W)
High sensitive mode ON: 0.02 lx
Minimum Illumination  High sensitive mode OFF: 0.2 lx
Gain 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36, 42, 48 dB
Horizontal FOV 63.7° to 2.3°
Digital Zoom 12x
30x Optical Zoom

Image Sensor 1/2.8" CMOS 2.13M pixcel

CAMERA

Supported Remote Controller RM-LP100

Finish KY-PZ100B: Black / KY-PZ100W: White

Storage Humidity Under 85%
Storage Temperature -20°C to 50°C ( 14°F to 122°F)
Weight approx. 2.1 kg
Dimensions 350 (W) x 110 (H) x 182 (D) mm
Power DC12V (AC adapter)

Audio Recording LPCM 2ch, 48kHz/16-bit (MOV), µ-low 2ch (5Mbps)

1920x1080/50i (5Mbps), 1280x720/25p (5Mbps)
1920x1080/50p (28Mbps)
1920x1080/50i, 25p (35Mbps), 1280x720/50p (35Mbps)
1920x1080/59.94i (5Mbps), 1280x720/29.97p (5Mbps)
1920x1080/59.94i, 29.97p (18Mbps), 1280x720/59.94p, 29.97p (18Mbps)
1920x1080/59.94p (28Mbps)

HD (H.264)

File format: Quick Time

INTERFACE

Preset Position  100 points
Tilt Angle -30° to +90°
Pan Speed Max 480°/s (AC Adapter) Max 400°/s (PoE+ Power supply)
Pan Angle ±175°
S/N Ratio 50dB
White Balance FAW, AWB, 3200K, 5600K, MANUAL
Night mode ON: 0.003 lx (B/W)
High sensitive mode ON: 0.02 lx
Minimum Illumination  High sensitive mode OFF: 0.2 lx
Gain 0, 3, 6, 9, 12, 15, 18, 21, 24, 30, 36, 42, 48 dB
Horizontal FOV 63.7° to 2.3°
Digital Zoom 12x
30x Optical Zoom

Image Sensor 1/2.8" CMOS 2.13M pixcel

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Supported Remote Controller RM-LP100

Finish KY-PZ100B: Black / KY-PZ100W: White

Storage Humidity Under 85%
Storage Temperature -20°C to 50°C ( 14°F to 122°F)
Weight approx. 2.1 kg
Dimensions 350 (W) x 110 (H) x 182 (D) mm
Power DC12V (AC adapter)
Acquire From The World.
Deliver To The World.
The IP camera that really works for you—from conferences and lectures to concerts and weddings. Simple to use, control in remote locations, and distribute worldwide. Create on a powerful combination of the PTZ IP camera and the camera controller, from JVC.

Protocols and bitrates are supported for a variety of usages. RTMP protocol support enables direct streaming to JVC VIDEOCLOUD, Ustream, YouTube, Facebook, etc. Other various RTMP for Direct Streaming to Content Delivery Network connection via Wi-Fi*, 4G/LTE*, or wired LAN.

The KY-PZ100 is the PTZ camera that features JVC’s unique IP communications engine providing network connections via Wi-Fi, 4G/LTE*, or wired LAN.

IP Video Streaming, Distribution and Control Solution

Variable IP Connectivity including Wi-Fi®, and 4G/LTE*. The KY-PZ100 is the PTZ camera that features JVC’s unique IP communications engine providing network connections via Wi-Fi®, 4G/LTE®, or wired LAN.

RTMP for Direct Streaming to Content Delivery Network

AMT protocol support enables direct streaming to YouTube, Ustream, Facebook, etc. Other various protocols and formats are supported for a variety of usages.

Control from Remote Location with PC

Using a browser, video monitoring and remote camera control can be performed with a PC from all over the world.

Wide Dynamic Range Mode

The Wide Dynamic Range mode processes linearized images even under challenging highlight conditions.

FullHD 1920x1080, 40s High Quality Video

The KY-PZ100 offers progressive video recording of Full HD 1920x1080, 40s of Full HD recording.

100-Preset Positions and Settings

Up to 100 points of PTZ positions and other settings such as focus and white balance can be memorized on the camera.

Reliable and Stable Streaming with Zixi* and SMPTE 2022-1

Thanks to Zixi* SMPTE 2022-1 and Zixi* support, reliable and stable streaming is assured with forward error correction. Especially with the SW protocol, even in noisy environments, assured with adaptive bit rate and auto-adaptive retransmission.

Audio Input Function

Audio input/output is performed at a rate of 48kHz data. An audio input can be IP output and embedded at 48kHz or HDMI output.

microSDHC/microSDXC Card Recording

Recordings can be uploaded from the camera to an external server.

Audio Input Function

Audio input/output is performed at a rate of 48kHz data. An audio input can be IP output and embedded at 48kHz or HDMI output.

microSDHC/microSDXC Card Recording

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The IP camera that really works for you — from conferences and lecture to concerts and weddings. Stream live, control in remote locations, and distribute it worldwide. Count on a powerful combination of the PTZ IP camera and the camera controller, from JVC.

**RTMP for Direct Streaming to Content Delivery Network**

RTMP protocol supports video streaming to JVC VIDEOCLOUD, Ustream, YouTube, Facebook, etc. Other protocols such as RTSP, SRT, and SIP are supported for a variety of changes.

**Full HD 1920x1080, 60p High Quality Video**

The KY-PZ100 offers progressive video recording of Full HD1080/60p, 60p at 60Mbps and streaming of Full HD1080/50p, 60p at 50Mbps and streaming of Full HD1080/30p at 30Mbps. It supports PoE+ (Power-over-Ethernet), which is capable of carrying IP video, audio control and power over a single connection cable.

**PoE+ for Simple and Flexible Installation**

You can reduce installation cost with the KY-PZ100 that supports PoE+ (Power-over-Ethernet) via 100BASE-TX PoE port. It can be used as a mobile PTZ camera for live streaming, or as a fixed PTZ camera for surveillance applications.

**100 Preset Positions and Settings**

Up to 100 points of PTZ positions and other settings such as focus and white balance can be memorized on the camera. The KY-PZ100 offers a built-in digital recorder that records HD from 5Mbps to 50Mbps directly to an SD memory card. It supports file upload capability and file upload to an external server.

**Audio Input Function**

Audio input/output and audio control can be performed with a PC from all over the world. The KY-PZ100 offers linear PCM audio recording of up to 24-bit/96kHz and streaming of audio in addition to IP.

**SMPTE 2022-1**

Reliable and Stable Streaming with Zixi*

Zixi* delivers high-quality video streaming with adaptive bit rate and automatic repeat request. It ensures stable streaming under challenging network conditions.

**IP Control of up to 100 Cameras**

The KY-PZ100 is IP-controllable up to 100 cameras. IP control of up to 100 cameras allows you to control up to 100 cameras from one location. You can perform simultaneous output and embedded on SDI or HDMI output.

**Smooth PTZ operation and tally**

For smooth PTZ operation and tally, the KY-PZ100 offers a 7” touch-panel LCD for PTZ and CCU functions. This advanced controller connects to your network and provides complete IP control of multiple cameras on your network and over the Internet. Pan, tilt, and zoom control in real-time, with manual feedback, gives you total control. Controls up to 100 KY-PZ100 cameras from the controller.

**Audio System**

Audio System for the PTZ camera and the camera controller, from JVC.

**Notes:** Some functions or connections on these configurations may be limited depending on modes of KY-PZ100 and RM-LP100 or combination of equipment.

**System Configurations**

Delivering ceremonies and events via the Internet, a PTZ camera is the key. JVC’s versatile PTZ camera and controller offer a single connection cable for power and control. The RM-LP100 controller allows you to control multiple cameras from one location. It features a 7” touch-panel LCD display, which can be used to control up to 100 cameras. The controller also supports fullCookies, which are capable of carrying IP video, audio control, and power over a single connection cable.

**Reliable and Stable Streaming with Zixi* and SMPTE 2022-1**

Zixi* delivers high-quality video streaming with adaptive bit rate and automatic repeat request. It ensures stable streaming under challenging network conditions.
3G-SDI/HD-SDI

Equipped with 30x optical zoom, the KY-PZ100 is capable of (0.003 lx of minimum illumination).

Superior color reproduction is ensured even at low light. The

Precise Color Reproduction

Normal color reproduction High Sensitivity mode

Normal magnification with virtually no deviation.

High Accuracy of +/-0.03˚ for Preset Positions

Extremely Silent Operation

Super Fast Pan/Tilt of max. 480˚/sec*. movement offers the scene even at high zoom rates.

Super Slow Pan/Tilt of min. 0.1˚/sec.

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 zoom movement compared to the normal stepping motor mechanisms.

Super Fast Pan/Tilt of max. 480˚/sec*.

With maximum 480°/sec* movement offers the scene sharply.

Extremely slow movement of 0.1°/sec. offers a good look at transitions sharply.

Extreme Silent Operation

Operating noise of Direct Drive is approx. 28% lower than normal stepping motor aspects, which is especially suitable for the usage of in-class concert, church and so on.

High Accuracy of +/-0.03˚ for Preset Positions

Adjusts to preset positions with high accuracy, (within less than 0.03°). Maintains a precise moving position even at high magnification of almost 30x.

Note: Above mechanism photo is for explanatory purpose and is not an actual image of KY-PZ100.