








# KY-PZ100/RM-LP100

## Remote camera system Sales manual Comparison








**Infinite Possibilities**

# Comparison JVC vs. Panasonic vs. Sony

		JVC	Panasonic		SONY	
		KY-PZ100	AW-HE40S	AW-HE40H	SRG-300S	SRG-360
						
Launch (Press)		2016 Nov	2015	2015	2013 Dec	2016 Aug
CMOS	Sensor size	1/2.8	1/2.3	1/2.3	1/2.8	1/2.8
	S/N	50dB	54dB	54dB	50dB	50dB
Lens	Optical Zoom	30x	30x	30x	30x	30x
	Digital Zoom	12x	10x+1.4x	10x+1.4x	12x	12x
	max FOV	63.7°	61.6°	61.6°	63.7°	(63.7° )
	Wide (35mm eq)	30.5mm	31.6mm	31.6mm	30.5mm	(30.5mm)
Min. luminance	Min Luminance	0.01 lx (High sensitivity On)	0.35lx	0.35lx	0.35 lx(30fps)	0.35lx (30fps)
Pan. Tilt	Pan	±175°	±175°	±175°	±170°	±170°
	Pan speed	0.1-400°/s	max 300°/s	max 300°/s	100°/s	0.3-60°/s
	Tilt speed	0.1-200°/s	max 300°/s	max 300°/s	90°/s	0.3-60°/s
	Preset accuracy	within ±0.03°	±0.15°	±0.15°	to be checked	to be checked
Noise	Noise Preset	NC30~35	NC40	NC40	to be checked	to be checked
	Noise Manual	NC25~30	NC35	NC35	to be checked	to be checked
Camera mecha.	Mechanism	Direct Drive	Gear Drive	Gear Drive	Gear Drive	to be checked
Output I/F	3G-SDI (60/50p)	Available	N/A	N/A	Available	Available
	HD-SDI (p)	1080p/25, 29.97	1080p/25, 29.97	N/A	1080p/25, 29.97	720p/50,60
	HD-SDI (i)	1080i/50,60	1080p/25, 29.97	N/A	1080i/50,60	1080i/50,60
	HDMI	Available	N/A	Available	N/A	Available
	Others	WiFi/4G	USB	USB		
	PoE+	Available	Available	Available	N/A	Available
	Total	SDI+HDMI+IP	SDI + IP	HDMI + IP	SDI + IP	SDI+HDMI+IP

# Comparison JVC vs. Panasonic vs. Sony

		JVC	Panasonic		SONY	
		KY-PZ100	AW-HE40S	AW-HE40H	SRG-300S	SRG-360
						
Video Rec		Available	Available	Available	N/A	N/A
Tally lamp		Available	Available	Available	N/A	Available
Protocol	IP	JVC/Dstar/Standard	Panasonic	Panasonic	VISCA	VISCA
	serial RS-232	Standard/Dstar/Pelco	Panasonic/VISCA	Panasonic/VISCA	N/A	N/A
	serial RS-422	Standard/Dstar/Pelco	Panasonic	Panasonic	VISCA	VISCA
IP stream	H.264	1920x1080/60p	1920x1080/60p	1920x1080/60p	1920x1080/60p	1920x1080/60p
	Max bitrate	TBD(target 20Mbps)	24Mbps	24Mbps	32Mbps	
Multi streaming	TCP	OK	OK	OK	OK	OK
	UDP	OK	OK	OK	OK	OK
	RTP	OK	OK	OK	OK	OK
	ZIXI	OK	N/A	N/A	N/A	N/A
	FTP	OK	N/A	N/A	N/A	N/A
	SMPTE 2022	OK	N/A	N/A	N/A	N/A
Position preset		100	100	100	256	256
Color	Black	Available	Available	Available	Available	N/A
	White	Available	Available	Available	Available	Available
Dimension		148x199.5x172	160x186x166	160x186x166	157x164x163	159x187.5x200.5
Weight		1.9kg	1.5kg	1.5kg	1.4kg	2.1kg
IR remote unit	included remote	included	option	option	included	included

# KY-PZ100 vs. AW-HE40S (Panasonic)

## *JVC advantage*

Minimum Luminance 0.01 lx (High sensitivity On) (Pana 0.35lx)

Quiet Operation noise thanks to Direct Drive Mechanism (Pana Gear Drive)

Quick and precise Preset position operation (Pan-speed , Preset Accuracy)

3G-SDI available (Pana N/A)



SDI+HDMI+IP output available (Pana w/o HDMI)



Application of Live streaming , Reliable streaming with Zixi or SMPTE2022 , FTP clip uploading

IR remote controller included (Pana Option)

Max FOV a little wider than Pana

# KY-PZ100 vs. AW-HE40S (Panasonic)

		JVC	Panasonic
		KY-PZ100	AW-HE40S
			
Launch (Press)		2016 Oct	2015
CMOS	Sensor size	1/2.8	1/2.3
	S/N	50dB	54dB
Lens	Optical Zoom	30x	30x
	Digital Zoom	12x	10x+1.4x
	max FOV	63.7°	61.6°
	Wide (35mm eq)	30.5mm	31.6mm
Min. luminance	0.01 lx (High sensitivity On)	0.35lx	
Pan.Tilt	Pan	±175°	±175°
	Pan speed	0.1-400°/s	max 300°/s
	Tilt speed	0.1-200°/s	max 300°/s
	Preset accuracy	within ±0.03°	±0.15°
Noise	Noise Preset	NC30~35	NC40
	Noise Manual	NC25~30	NC35
Camera mecha.	Mechanism	Direct Drive	Gear Drive
Output I/F	3G-SDI (60/50p)	Available	N/A
	HD-SDI (p)	1080p/25, 29.97	1080p/25, 29.97
	HD-SDI (i)	1080i/50,60	1080p/25, 29.97
	HDMI	Available	N/A
	Others	WiFi//4G	USB
	PoE+	Available	Available
	Total	SDI+HDMI+IP	SDI +IP

		JVC	Panasonic
		KY-PZ100	AW-HE40S
			
Video Rec		Available	Available
Tally lamp		Available	Available
Protocol	IP	JVC/Dstar/Standard	Panasonic
	serial RS-232	Standard/Dstar/Pelco	Panasonic/VISCA
	serial RS-422	Standard/Dstar/Pelco	Panasonic
IP stream	H.264	1920x1080/60p	1920x1080/60p
	Max bitrate	TBD(target 20Mbps)	24Mbps
Multi streaming	TCP	OK	OK
	UDP	OK	OK
	RTP	OK	OK
	ZIXI	OK	N/A
	FTP	OK	N/A
Position preset	SMPTE 2022	OK	N/A
		100	100
Color	Black	Available	Available
	White	Available	Available
Dimension		148x199.5x172	160x186x166
Weight		1.9kg	1.5kg
IR remote unit	included remote	included	option

## *JVC advantage (Tentative)*

Minimum Luminance 0.01 lx (High sensitivity On) (Sony 0.35lx)

Quiet Operation noise thanks to Direct Drive Mechanism (Sony DD but Stepping Motor >>> Position accuracy is lower)



Quick and precise Preset position operation (Pan-speed , Preset Accuracy)



Application of Live streaming IP functions. Reliable streaming with Zixi or SMPTE2022 , FTP clip uploading

Wider protocol supported ( Sony only VISCA protocol)

Video REC available (Sony cannot)

# KY-PZ100 vs. SRG-360SHE (SONY)

		JVC	SONY
		KY-PZ100	SRG-360
			
Launch (Press)		2016 Oct	2016 Aug
CMOS	Sensor size	1/2.8	1/2.8
	S/N	50dB	50dB
Lens	Optical Zoom	30x	30x
	Digital Zoom	12x	12x
	max FOV	63.7°	(63.7° )
	Wide (35mm eq)	30.5mm	(30.5mm)
Min. luminance		0.01 lx (High sensitivity On)	0.35lx (30fps)
Pan.Tilt	Pan	±175°	±170°
	Pan speed	0.1-400°/s	to be checked
	Tilt speed	0.1-200°/s	to be checked
	Preset accuracy	within ±0.03°	to be checked
Noise	Noise Preset	NC30~35	to be checked
	Noise Manual	NC25~30	to be checked
Camera mecha.	Mechanism	Direct Drive Brushless motor	Direct Drive Stepping Motor
Output I/F	3G-SDI (60/50p)	Available	Available
	HD-SDI (p)	1080p/25, 29.97	720p/50,60
	HD-SDI (i)	1080i/50,60	1080i/50,60
	HDMI	Available	Available
	Others	WiFi//4G	
	PoE+	Available	Available
	Total	SDI+HDMI+IP	SDI+HDMI+IP

		JVC	SONY
		KY-PZ100	SRG-360
			
Video Rec	Video Rec	Available	N/A
Tally lamp		Available	Available
Protocol	IP	JVC/Dstar/Standard	VISCA
	serial RS-232	Standard/Dstar/Pelco	N/A
	serial RS-422	Standard/Dstar/Pelco	VISCA
IP stream	H.264	1920x1080/60p	1920x1080/60p
	Max bitrate	TBD(target 20Mbps)	to be checked
Multi streaming	TCP	OK	OK
	UDP	OK	OK
	RTP	OK	OK
	ZIXI	OK	N/A
	FTP	OK	N/A
	SMPTE 2022	OK	N/A
Position preset		100	256
Color	Black	Available	N/A
	White	Available	Available
Dimension		148x199.5x172	159x187.5x200.5
Weight		1.9kg	2.1kg
IR remote unit	included remote	included	included

**JVCKENWOOD**