SONY
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EVI Series
Colour Video Cameras

SD Models (EVI-D80 & EVI-D90)
HD Models (EVI-H100S & EVI-H100V)

IMAGE SENSING SOLUTIONS

From standard definition to high definition, Sony's EVI PTZ cameras are ideal for videoconferencing, houses of worship, corporate training, and distance learning.

| EVI-D80N/W EVI-D80P/W | EVI-D90N/W EVI-D90P/W | EVI-H100S/W | EVI-H100V/W |

Features

EVI-D80

- 18x optical zoom lens
- 1/4-type CCD sensor
- Both standard mounting and ceiling mounting with E-flip function
- Smart and stylish design with either a black or white body

EVI-D90 *EXview* HAD CCD

- 28x optical zoom lens
- Wide-D technology
- 1/4-type EXview HAD CCD sensor
- Both standard mounting and ceiling mounting with E-flip function
- Smart and stylish design with either a black or white body

EVI-H100S *Exmor*

- Full HD 1080p/30
- 20x optical zoom lens
- HD-SDI interface
- 1/2.8-type Exmor™ CMOS sensor
- Both standard mounting and ceiling mounting with E-flip function
- Smart and stylish design with either a black or white body

EVI-H100V *Exmor*

- Full HD 1080p/30
- 20x optical zoom lens
- DVI interface
- 1/2.8-type Exmor™ CMOS sensor
- Both standard mounting and ceiling mounting with E-flip function
- Smart and stylish design with either a black or white body

Product Line-up

SD models	Black (NTSC)	Black (PAL)	White (NTSC)	White (PAL)
Optical Zoom 18x	EVI-D80N	EVI-D80P	EVI-D80N/W	EVI-D80P/W
Optical Zoom 28x	EVI-D90N	EVI-D90P	EVI-D90N/W	EVI-D90P/W

HD models	Black		White	
HD-SDI Interface	EVI-H100S		EVI-H100S/W	
DVI Interface	EVI-H100V		EVI-H100V/W	

Specifications

Model name			EVI-D80	EVI-D90	EVI-H100S	EVI-H100V
Image sensor			1/4-type CCD	1/4-type EXview HAD CCD	1/2.8-type Exmor CMOS	1/2.8-type Exmor CMOS
Signal system		HD	–	–	1080p/29.97, 1080p/25, 1080i/59.94 (frame out 1080PsF29.97), 1080i/50 (frame out 1080PsF25), 720p/59.94, 720p/50, 720p/29.97, 720p/25	1080p/29.97, 1080p/25, 1080i/59.94 (frame out 1080PsF29.97), 1080i/50 (frame out 1080PsF25), 720p/59.94, 720p/50, 720p/29.97, 720p/25
		SD	NTSC/PAL	NTSC/PAL	NTSC/PAL	–
Lens	Focal length		f=-4.1 mm (Wide) to 73.8 mm (Tele)	f=3.5 mm (wide) to 98.0 mm (tele)	f=4.7 mm (wide) to 94.0 mm (tele)	f=4.7 mm (wide) to 94.0 mm (tele)
			F1.4 to F3.0	F1.35 to F3.7	F1.6 to F3.5	F1.6 to F3.5
	Optical zoom		18x	28x	20x	20x
	Digital zoom		12x	12x	12x	12x
Min. object distance			10 mm (wide) - 800 mm (tele) *Default: 290 mm	10 mm (wide) - 1,500 mm (tele) *Default: 300 mm	10 mm (wide) - 800 mm (tele) *Default: 290 mm	10 mm (wide) - 800 mm (tele) *Default: 290 mm
Horizontal viewing angle			48.0 degrees (wide) to 2.8 degrees (tele)	55.8 degrees (wide) to 2.1 degrees (tele)	55.4 degres (wide) to 2.9 degrees (tele) (1080 mode)	55.4 degres (wide) to 2.9 degrees (tele) (1080 mode)
Focus systems			Auto, One-push AF, Manual, Infinity	Auto, One-push AF, Manual, Infinity	Auto, One-push AF, Manual, Infinity	Auto, One-push AF, Manual, Infinity
Min. illumination			0.4 lx (F1.4, 50 IRE)	0.65 lx (F1.35, 50 IRE)	High sensitivity mode: 0.5 lx (F1.6, 50 IRE) Normal mode: 1.7 lx (F1.6, 50 IRE)	High sensitivity mode: 0.5 lx (F1.6, 50 IRE) Normal mode: 1.7 lx (F1.6, 50 IRE)
Shutter speed			1 to 1/10,000 s	1 to 1/10,000 s	1 to 1/10,000 s	1 to 1/10,000 s
Gain			Auto/Manual/Max. AE Gain Limit (-3 dB to +28 dB, 2 dB steps)	Auto/Manual/Max. AE Gain Limit (-3 dB to +28 dB, 2 dB steps)	Auto/Manual/Max. AE Gain Limit (-3 dB to 28 dB, 2 dB steps)	Auto/Manual/Max. AE Gain Limit (-3 dB to 28 dB, 2 dB steps)
White balance			Auto, Indoor, Outdoor, One-push, Manual	Auto, Indoor, Outdoor, One-push, Manual	Auto, Indoor, Outdoor, One-push, Manual	Auto, Indoor, Outdoor, One-push, Manual
Wide-D			No	Yes	Yes	Yes
Exposure control			Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Slow Shutter AE	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Slow Shutter AE	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Slow Shutter AE	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Slow Shutter AE
Auto ICR			No	Yes	Yes	Yes
S/N ratio			More than 50 dB (3D Noise Reduction)	More than 50 dB (3D Noise Reduction)	More than 50 dB	More than 50 dB
Pan/Tilt	Angle	Pan	±170°	±170°	±170°	±170°
		Tilt	+90°/-20°	+90°/-20°	+90°/-20°	+90°/-20°
	Max. speed	Pan	100°/sec	100°/sec	100°/sec	100°/sec
		Tilt	90°/sec	90°/sec	90°/sec	90°/sec
Preset positions			6	6	6	6
Video output	HD		–	–	HD-SDI	DVI-I (Digital (RGB) and Analog component)
	SD		VBS, Y/C	VBS, Y/C	VBS	–
Camera control	Interface		RS-232C/RS-422	RS-232C/RS-422	RS-232C/RS-422	RS-232C/RS-422
	Protocol		VISCA	VISCA	VISCA	VISCA
Power requirements			DC 12 V	DC 12 V	DC 12 V	DC 12 V
Power consumption			6 W	8 W	12 W	11 W
Operating temperature			0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage temperature			-20°C to +60°C (-4°F to +140°F)	-20°C to +60°C (-4°F to +140°F)	-20°C to +60°C (-4°F to +140°F)	-20°C to +60°C (-4°F to +140°F)
Mass			1,440 g (3 lb 3 oz)	1,460 g (3 lb 3 oz)	1,550 g (3 lb 7 oz)	1,550 g (3 lb 7 oz)
Dimensions (W x H x D)			145 x 164 x 164 mm (5 3/4 x 6 1/2 x 6 1/2 inches)	145 x 164 x 164 mm (5 3/4 x 6 1/2 x 6 1/2 inches)	145 x 164 x 164 mm (5 3/4 x 6 1/2 x 6 1/2 inches)	145 x 164 x 164 mm (5 3/4 x 6 1/2 x 6 1/2 inches)
Body colour			Black, White	Black, White	Black, White	Black, White
Supplied accessories			AC adaptor, AC power cable, IR remote commander unit, Ceiling bracket, Operating instructions, RS-422 connector plug	AC adaptor, AC power cable, IR remote commander unit, Ceiling bracket, Operating instructions, RS-422 connector plug	AC adaptor, AC power cable, IR remote commander unit, Ceiling bracket, Operating instructions, RS-422 connector plug	AC adaptor, AC power cable, IR remote commander unit, Ceiling bracket, Operating instructions, RS-422 connector plug

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