

# New EVI Series

Colour Video Cameras

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

**Preliminary brochure**



IMAGE SENSING SOLUTIONS

From standard definition to high definition, Sony's new 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) F1.4 to F3.0	f=3.5 mm (wide) to 98.0 mm (tele) F1.35 to F3.7	f=4.7 mm (wide) to 94.0 mm (tele) F1.6 to F3.5	f=4.7 mm (wide) to 94.0 mm (tele) F1.6 to F3.5
	Optical zoom	18x	28x	20x	20x
	Digital zoom	12x	12x	12x	12x
Min. object distance		10 mm (wide) - 1,500 mm (tele) *Default: 290 mm	10 mm (wide) - 1,500 mm (tele) *Default: 290 mm	10 mm (wide) - 1,500 mm (tele) *Default: 290 mm	10 mm (wide) - 1,500 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 degrees (wide) to 2.9 degrees (tele)	55.4 degrees (wide) to 2.9 degrees (tele)
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, ATW, Indoor, Outdoor, One-push, Manual	Auto, ATW, Indoor, Outdoor, One-push, Manual	Auto, ATW, Indoor, Outdoor, One-push, Manual	Auto, ATW, 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
S/N ratio		More than 50 dB	More than 50 dB	More than 50 dB	More than 50 dB
Pan/Tilt	Angle	Pan	±170°	±170°	±170°
		Tilt	+90°/-20°	+90°/-20°	+90°/-20°
	Max. speed	Pan	100°/sec	100°/sec	100°/sec
		Tilt	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		7 W	10 W	14 W	14 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		1700 g (3 lb 12 oz)	1700 g (3 lb 12 oz)	1800 g (2 lb 12 oz)	1800 g (2 lb 12 oz)
Dimensions (WxHxD)		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	AC adaptor, AC power cable, IR remote commander unit, Ceiling bracket, Operating instructions	AC adaptor, AC power cable, IR remote commander unit, Ceiling bracket, Operating instructions	AC adaptor, AC power cable, IR remote commander unit, Ceiling bracket, Operating instructions

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