EVI-H100S/H100V/D90/D80

Color Video Cameras

SONY
make.believe

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

Exmor

EVI-H100S

- 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 housing

Exmor

EVI-H100V

- 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 housing

EXview **HAD CCD**

EVI-D90

- 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 housing

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 housing

Preliminary

Product Lineup

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

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

Specifications

Model name			EVI-H100S	EVI-H100V	EVI-D90	EVI-D80
Image sensor			1/2.8-type Exmor CMOS	1/2.8-type Exmor CMOS	1/4-type EXview HAD CCD	1/4-type CCD
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=4.7 mm (wide) to 94.0 mm (tele)	f=4.7 mm (wide) to 94.0 mm (tele)	f=3.5 mm (wide) to 98.0 mm (tele)	f=4.1 mm (Wide) to 73.8 mm (Tele)
			F1.6 to F3.5	F1.6 to F3.5	F1.35 to F3.7	F1.4 to F3.0
	Optical zoom		20x	20x	28x	18x
	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			55.4 degrres (wide) to 2.9 degrees (tele)	55.4 degrres (wide) to 2.9 degrees (tele)	55.8 degrees (wide) to 2.1 degrees (tele)	48.0 degrees (wide) to 2.8 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			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)	0.65 lx (F1.35, 50 IRE)	0.4 lx (F1.4, 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 to 28 dB, 2 dB steps)	Auto/Manual/Max. AE Gain Limit (-3 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			Yes	Yes	Yes	No
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°	±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	–	VBS, Y/C	VBS, Y/C
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			14 W	14 W	10 W	7 W
Operating temperature			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 (0°C to 40°C)
Storage temperature			-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 (-20°C to +60°C)
Weight			2 lb 12 oz (1800 g)	2 lb 12 oz (1800 g)	3 lb 12 oz (1700 g)	3 lb 12 oz (1700 g)
Dimensions (WxHxD)			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 (145 x 164 x 164 mm)
Body color			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