

# 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 - available in black or white



*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 - available in black or white



*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 - available in black or white



## 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 - available in black or white

## 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) F1.6 to F3.5	f=4.7 mm (wide) to 94.0 mm (tele) F1.6 to F3.5	f=3.5 mm (wide) to 98.0 mm (tele) F1.35 to F3.7	f=4.1 mm (Wide) to 73.8 mm (Tele) F1.4 to F3.0
	Optical zoom	20x	20x	28x	18x
	Digital zoom	12x	12x	12x	12x
Min. object distance		10 mm (wide) - 800 mm (tele) *Default: 290 mm	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
Horizontal viewing angle		55.4 degrees (wide) to 2.9 degrees (tele)	55.4 degrees (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, 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		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°
		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	DVH (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		12 W	11 W	8 W	6 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		3 lb 7 oz (1,550 g)	3 lb 7 oz (1,550g)	3 lb 3 oz (1,460 g)	3 lb 3 oz (1,440 g)
Dimensions (W x H x D)		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 134 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, 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

©2011 Sony Corporation. All rights reserved.  
 Reproduction in whole or in part without written permission is prohibited.  
 Features and specifications are subject to change without notice.  
 The values for weight and dimension are approximate.  
 SONY, "make.believe", "Exmor" and "EXview HAD" are trademarks of Sony Corporation.  
 All other trademarks are the property of their respective owners.