









# EVI-HD Series

## High Resolution Cameras

POWER

STANDBY

EVI-HD7V EVI-HD3V EVI-HD1

The new HD robotic cameras from Sony are ideally suited for videoconferencing, distance learning, corporate training, and courtrooms.

## EVI-HD7V EVI-HD3V EVI-HD1

## Enhance your remote presence experience with HD.



Sony, the world's leading robotic camera manufacturer, is expanding its HD Pan/Tilt/Zoom (P/T/Z) camera lineup with two new HD robotic cameras ideally suited for videoconferencing, distance learning, corporate training, and courtrooms.

## Whether you need standard definition, 720p, 1080i, or 1080p for your application, there is a Sony P/T/Z HD camera to capture your true-to-life images.

The all-in-one design of the EVI-HD7V and EVI-HD3V P/T/Z cameras combines Sony's expertise in HD technology with its renowned low-noise pan/tilt mechanism. The capture of intricate visual details creates the feeling of being in the same room with remote participants around the globe.

The EVI-HD7V achieves digital image acquisition of up to 1080p/60\*1 for exceptional picture quality. The EVI-HD3V provides superb image quality of up to 720p/60 at an affordable price.

Both cameras are equipped with a DVI-I interface, enabling easy connection to a PC monitor.

\*1: 1080p/60 is only available for the EVI-HD7V.

### EVI-HD



#### 080p/60

The EVI-HD7V delivers intricately detailed and vivid images, enhancing your videoconference or training meeting with true-to-life images of the participants.

#### DVI-I Interface

720p/60

Thanks to its DVI-I interface, the EVI-HD7V is ideally suited for easy connection to a HD or PC monitor equipped with today's popular digital or analogue interfaces such as DVI-D and analogue component – all of which provide high-quality digital display.

The EVI-HD3V produces stunning HD images of up to 720p/60, while offering powerful cost

Thanks to its DVI-I interface, the EVI-HD3V is ideally suited for easy connection to a HD or PC monitor equipped with today's popular digital or analogue interfaces such as DVI-D and

EVI-HD3



#### EVI-HD1

### analogue component – all of which provide high-quality digital display.

benefits that reduces the total system cost.

#### Nulti-format Video Outputs from NTSC/PAL to Full HD

With the flip of a switch on the EVI-HD1, users can easily change between HD and SD output. This popular P/T/Z camera allows for SD to HD migration and can be used in combination with any number of codecs and other professional audio/video systems.

#### HD-SDI Interface

The EVI-HD1 comes equipped with an HD-SDI interface that allows for long-distance transmission of HD images without degrading the picture quality. The EVI-HD1 is ideally suited for small to medium-sized conference rooms, auditoriums, and classrooms and can integrate with professional audio/video systems without the need for interface conversion.

EVI-HD7V		•	•	•	•	•	• (LB)	
EVI-HD3V					•	•	(LB)	
EVI-HD1			•	•	•	•		(LB, CR, SQ)
		1080p/59.94 1080p/50	1080i/59.94 1080i/50	1080p/29.97 1080p/25	720p/59.94 720p/50	720p/29.97 720p/25	640 x 480p/59.94	SD
LB: Letter box CR: Cropping SQ: Squeeze								

#### Flexibility and Choice of Video Outputs From SD to Full HD

EVI-HD Series provides multiple formats for natural and smooth video images.

#### High-quality Image Transmission

The EVI-HD7V and EVI-HD3V are both equipped with a DVI-I interface that is designed to maximize high video quality of digital displays. This digital interface is capable of displaying both digital and analogue signals (output is selectable from Y/Pb/Pr and RGB). The EVI-HD1 features an HD-SDI interface, enabling long-distance transmission of HD images without degrading the picture quality.

Video Int	erface			
Camera		EVI-HD7V/HD3V	EVI-HD1	
Digital	IF	DVI-I (Digital)	HD-SDI	
output	Colour coding	RGB or Y/Pb/Pr *1	Y/Cb/Cr	
Analogue output	IF	DVI-I (Analogue)	Component (D-sub 15-pin)	
	Colour coding	RGB or Y/Pb/Pr *1	Y/Pb/Pr	
	Tri-level Sync on video signal	On or Off *2	Always on	
	Sync signal	HD and VD	HD and VD, or HD and Tri-level Sync *1	

#### \*1: Can be set by OSD or VISCA \*2:

\*2: Selected by DIP SW

#### Connection of EVI-HD7V/HD3V to HD Monitor

By selecting Y/Pb/Pr in colour coding of EVI-HD7V/HD3V, analogue component signals can be output to an HD monitor.



#### Wide-range, Quiet, and Quick Pan/Tilt Movement

All models in the EVI-HD Series utilise a direct drive motor mechanism for achieving high-speed, quiet, and smooth P/T/Z operations to capture images. These cameras cover a wide shooting range, ideal for capturing extensive areas where faceto-face discussions are critical. The face-to-face experience is enhanced by the unique quiet operation of the direct drive pan/ tilt mechanism.

- •Pan angle:  $-100^{\circ}$  to  $+100^{\circ}$
- (max pan speed: 300 degrees/s) •Tilt angle: -25° to +25°
  - (max tilt speed: 125 degrees/s

#### 10x Optical (40x with Digital Zoom)

All models in the EVI-HD Series are equipped with a 10x optical zoom lens. They have 40x zoom ratio with 4x digital zoom lens. This fast and stable auto-focus lens can clearly capture small and intricately featured objects.

#### Other Features

#### RS-232C Remote Control (VISCA™ Protocol)

The EVI-HD Series enables camera settings and P/T/Z control functions to be performed remotely at any location and at high communication speeds via the RS-232C interface.

#### Six Position Presets

All models in the EVI HD Series can store up to a maximum of six preset settings for P/T/Z, focus position, exposure mode, and white balance mode.

#### Customisable Settings via

#### On-screen Menu using IR Remote Commander® Unit

Users are able to adjust various camera settings using IR Remote Commander unit. The easy-to-use supplied IR Remote Commander unit is useful for full operation of the EVI-HD Series from various locations within a room.

#### EVI-HD7V/EVI-HD3V

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EVI-HD1

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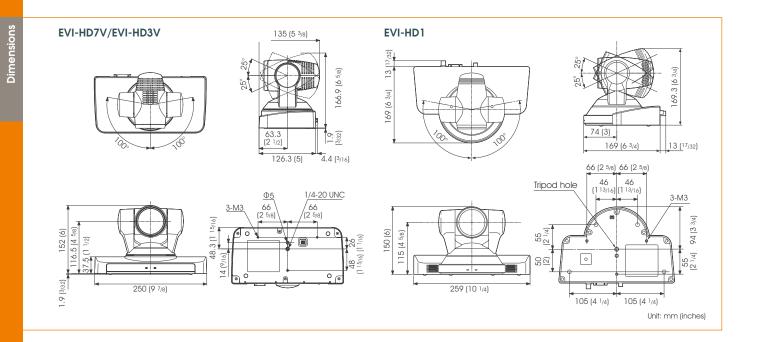
## EVI-HD Series Specifications

#### www.pro.sony.eu/vision www.image-sensing-solutions.eu

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	EVI-HD7V	EVI-HD3V	EVI-HD1			
Image sensor		1/3-type CMOS				
Signal system	1080p/59.94, 1080p/50, 1080l/59.94, 1080l/50, 1080p/29.97, 1080p/25, 720p/59.94, 720p/50, 720p/29.97, 720p/25, 640 x 480p/59.94	720p/59.94, 720p/50, 720p/29.97, 720p/25, 640 x 480p/59.94	1080i/59.94, 1080i/50, 1080p/29.97, 1080p/25, 720p/59.94, 720p/50, 720p/29.97, 720p/25 NTSC, PAL			
Lens	10x	optical zoom, 40x with digital zoom, f=3.4 to 33.9 mm, F1.8 to	om, f=3.4 to 33.9 mm, F1.8 to F2.1			
Minimum object distance		100 mm (wide)				
Horizontal viewing angle		$8^{\circ}$ (tele) to $70^{\circ}$ (wide) at HD signal output				
Focus system		Auto/Manual				
Minimum illumination		15 lx (50 IRE, F1.8)				
Exposure control	Exposure control Auto* / Manual / Priority AE* / Exposure compensation / Bright					
Shutter speed	Shutter speed 1/60 to 1/10,000 sec. (59.94 Hz system), 1/50 to 1/10,000 sec. (50 Hz system)		1/2 to 1/10,000 sec.			
Gain						
White balance						
Effects	•		B&W, Nega Art			
S/N ratio		50 dB				
Pan/Tilt	Pan: ±100° (Max. speed 300°/sec.) Tilt: ±25° (Max. speed 125°/sec.)					
Position preset		6 positions				
Video output	Video output DVI-I (Digital and Analogue)		HD: HD-SDI, Analogue Component (Y/Pb/Pr) SD: VBS, Y/C			
Control terminal	R\$-232C (8-pin mini DIN) control (VISCA)					
Power requirements	Power requirements 12 V DC (10.8 to 1.		VDC)			
Power consumption	Max. 26.4 W	(at DC 12 V)	Max. 30 W (at DC 12 V)			
Operating temperature	ng temperature 0 to 40°C (32 to 104°F)					
Storage temperature	-20 to 60°C (-4 to 140°F)					
Dimensions (W x H x D)	250 x 152 x 135 mm (9 7/8 x 6 x 5 3/8 inches) (without protrusions)		259 x 150 x 169 mm (10 1/4 x 6 x 6 3/4 inches) (without protrusions)			
Mass	Approx. 1.5	(g (3 lb 5 oz)	Approx. 2 kg (4 lb 7 oz)			
Supplied accessories AC adaptor, AC power cable, IR remote commander unit, Operating instruction		nstruction				

\*Max gain limit is available for EVI-HD7V/HD3V.



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