

## EVI-HD3V

Experience superb High Definition picture quality at an affordable price, with the EVI-HD3V all-in-one Pan/Tilt Zoom (PTZ) Colour Video Camera from Sony.



### Overview

Sony, the worlds leading robotic camera manufacturer, has strengthened its leadership position in High Definition PTZ solutions with the release of an affordable High Definition camera, the EVI-HD3V. The EVI-HD3V brings the best in Sony's strong heritage on PTZ mechanics together with superb HD picture quality at up to 720p/60. The EVI-HD3V provides an optimised HD camera option for application environments where the desire is for a mid-range solution or where infrastructure limitations exist. It is ideally suited to videoconferencing, broadcasting, distance learning and other audio/visual applications.

The EVI-HD3V provides superb affordable HD quality at up to 720/60p. The world renowned Sony EVI high quality PTZ mechanism as seen in the EVI-HD1 comes as standard. The EVI-HD3V allows optimised performance where bandwidth or infrastructure is limited.

It is designed to be used in combination with a variety of video conferencing codecs and other broadcasting/AV systems to produce high quality HD images. A number of video output formats are supported allowing flexibility subject to existing HD infrastructure in situ.

With its wide-angle field of view, built in 10x optical zoom lens, 16:9 aspect ratio, high speed

Combining convenient features such as auto focus / auto exposure, 6 presets and external / remote control, the EVI-HD3V is ideal for applications such as videoconferencing, distance learning, houses of worship, and corporate training.

### Features

The EVI-HD3V employs a 1/3-type HD CMOS delivering highly detailed and vivid images, transforming the video experience.

The EVI-HD3V provides High Definition at up to 720/60p. Depending on your application and infrastructure possibilities the EVI-HD3V has the flexibility, providing 4 selectable HD video output options in progressive scan. The EVI-HD3V can also support VGA mode for added migration support.

#### **Superb Picture Quality**

The EVI-HD3V is equipped with a DVI-D interface that is designed to maximise the high video quality of today's digital displays. This digital interface is capable of displaying both digital and analogue signals in Y/Pb/Pr and RGB formats.

#### **Multi-Format Video Outputs including Full HD**

The EVI-HD3V adopts the world-renowned direct drive motor mechanism previously seen in the EVI-HD1. As a result the camera is extremely quiet and moves smoothly and very quickly to desired positions, covering a wide shooting range.

#### **High Quality Image Transmission**

Maximum pan speed = 300 degrees per second (range +/- 100 degrees)

**Wide-range, Quiet and Quick Pan/Tilt Mechanism**

Maximum tilt speed = 125 degrees per second (range +/- 125 degrees)

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

The EVI-HD3V has a maximum zoom ratio of 40x. The high performance lens supports a fast and stable autofocus capability enabling sharp and intricately featured objects to be captured quickly and clearly.

**Wide Angle of View (70 degrees)**

The EVI-HD3V incorporates a wide-angle lens for wide field of view image capture, an advantage for small to medium conference rooms.

**RS-232C Remote control (VISCA protocol)**

All Camera settings and pan/tilt/zoom control functions can be performed remotely at high communication speeds via the RS-232C interface VISCA protocol.

**Six-Position Presets**

Up to 6 preset values for pan/tilt/zoom, focus position, exposure mode and white balance mode can be stored in the camera. The camera can retain these presets even when switched off.

**Customisable Settings via On-screen Menu using IR Remote Commander Unit**

Users are able to adjust various camera settings using the IR Remote Commander Unit (supplied). The IR Remote Commander provides additional flexibility of operation and camera positioning without compromising control.

## Specifications

Camera	
Image Sensor	1/3-type CMOS
Signal System	720p/59.94, 720p/50, 720p/29.97, 720p/25, 640 x 480p/59.94
Minimum Illumination (50IRE)	15lx (F1.8)
S/N Ratio	50 dB
Gain	Auto/Manual (-3 dB to +18 dB)
Shutter Speed	1/60 to 1/10,000 sec (59.94Hz system), 1/50 to 1/10,000 sec (50HZ system)
Exposure Control	Auto, Manual, Priority AE, Exposure compensation, Blight
White Balance	Auto, Indoor, Outdoor, One-push auto, Manual
Optical Zoom	10x
Digital Zoom	4x
Focusing System	Auto/Manual
Horizontal Viewing Angle	70 degrees (wide) to 8 degrees (tele)
Focal Length	F1.8 to F2.1 f=-3.4mm (wide) to 33.9mm (tele)
Minimum Object Distance	100mm (wide)
Pan/Tilt Angle	Pan: ±100°, Tilt: ±25°

## Camera

Pan/Tilt Speed (Max.)	Pan: 300°/sec, Tilt: 125°/sec
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Preset Position	6
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## Camera Features

Auto ICR	No
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Wide-D	No
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Image Stabilization	No
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Image Flip	No
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Auto Power Off	No
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Night Power Off	No
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## Interface

Hd Video Output	DVI-I (Digital and Analog)
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Camera Control Interface	RS-232C (8-pin mini DIN)
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Sync. System	INT
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## General

Power Requirements	DC 12V (10.8 to 13.0V DC)
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Power Consumption	max 26.4W (at DC 12V)
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Operating Temperature	32°F to 104°F 0°C to 40°C
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Storage Temperature	-4°F to +140°F -20°C to +60°C
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Dimensions (W x H x D) *[1]	9 7/8 x 6 x 5 3/8 inches 250 x152 x135mm
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Mass	3 lb 5 oz 1.5kg
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Body Color	Light gray
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Wide Conversion Lens Attachable	No
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Mountable Angle	±15°
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Ceiling Mount	No
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Supplied Accessories	Operating instruction (1) IR remote commander unit (1) AC power cable (1) AC adaptor (1)
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Note

\*[1] The values for dimensions are approximate.

Gallery



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