

## EVI-HD7V

Experience exceptional Full High Definition picture quality at up to 1080/60p with the class leading all-in-one Pan/Tilt Zoom (PTZ) EVI-HD7V Colour Video Camera.



Sony, the worlds leading robotic camera manufacturer, has strengthened its leadership position in High Definition by combining strong heritage on PTZ technology with the release of the first Full HD 1080/60p camera. The EVI-HD7V joins the ever popular EVI range of products. This unique camera offers a High Definition migration platform by supporting multi-HD formats allowing the user to select desired video output from VGA, 720p through to Full HD. The video conference market, broadcast and other A/V markets are continuing to embrace High Definition and the Sony EVI-HD7V supports this transition and moves the benchmark yet again with outstanding picture quality in Full HD.

## Features

### Superb Picture Quality

The EVI-HD7V employs a 1/3-type HD CMOS delivering intricately detailed and vivid images, transforming the video experience.

### Multi-Format Video Outputs including Full HD

The EVI-HD7V provides full High Definition at up to 1080/60p, the first in the Sony EVI range to support this format. Depending on your application and infrastructure possibilities the EVI-HD7V has the flexibility, providing 10 selectable HD video output options including both interlaced and progressive scan output in 1080 mode. The EVI-HD7V can also support VGA mode for added migration support.

### High Quality Image Transmission

The EVI-HD7V 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.

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

The EVI-HD7V 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.

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

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

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

The EVI-HD7V 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-HD7V 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.

## Benefits

The EVI-HD7V Full HD colour video camera sets a new benchmark in high definition picture quality. It is designed to be used in combination with a variety of video conferencing codecs and other broadcasting/AV systems to produce exceptional HD images. The multiple video output format support provides a wealth of options to match existing HD infrastructure in situ, whilst adding a future-proofing element to enable 1080/60p Full HD when ready, so even if wider

systems do not support Full HD today, the EVI-HD7V provides the migration support needed for the future. With its wide-angle field of view, built in 10x optical zoom lens, 16:9 aspect ratio, high speed & quiet PTZ operation, the EVI-HD7V can cover subjects across wide areas in a fast and discrete way, minimising disturbance.

Combining convenient features such as auto focus / auto exposure, 6 presets and external / remote control, the EVI-HD7V is ideal for applications such as videoconferencing, distance learning, houses of worship, and corporate training.

## Technical Specifications

Image sensor	1/3-type CMOS
Signal system	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 (VGA)
Lens	Lens 10x optical zoom, 40x with digital zoom, f=3.4 to 33.9 mm, F1.8 to F2.1
Angle of view (H)	8° (tele) to 70° (wide) at HD signal output
Minimum working distance	100 mm (wide)
Minimum illumination	15 lx (typical) (F1.8, 50 IRE)
S/N ratio	50 dB
Shutter Speed	1/60 to 1/10,000 sec. (59.94 Hz system), 1/50 to 1/10,000 sec. (50 Hz system)
White balance	Auto / Indoor / Outdoor / One-push auto / Manual
Gain	Auto/Manual (-3 to 18 dB)
Exposure control	Auto / Manual / Priority AE / Exposure compensation / Bright

Pan / Tilt	±100° (Max. speed 300°/sec.) Tilt: ±25° (Max. speed 125°/sec.)
Focus system	Auto / Manual
Position preset	6 positions
Video output	DVI-I (Digital and Analog)
Control terminal	RS-232C (8-pin mini DIN) control (VISCA)
Storage temperature	-20 to 60 °C (-4 to 140 °F)
Operating temperature	0 °C to 40 °C (32 to 104 °F)
Power requirements	12 V DC (10.8 to 13 V DC)
Power consumption	Max. 26.4 W (at DC 12 V)
Dimensions (W x H x D)	250 x 152 x 132 mm (9 7/8 x 6 x 5 3/8 inches) (without protrusions)
Mass	Approx. 1.5kg (3 lb 5 oz)

### Supplied Accessories

	AC adaptor, AC power cable, IR remote commander unit, Operating Instructions
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