

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.



Overview

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.

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

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.

Features

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

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.

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.

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)

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.

The EVI-HD7V incorporates a wide-angle lens for wide field of view image capture, an advantage for small to medium conference rooms.

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

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.

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	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
Minimum Illumination (50IRE)	15lx (F1.8)
S/N Ratio	50 dB
Gain	Auto/Manual (-3 dB to +18 dB)

Shutter Speed	1/60 sec to 1/10,000 sec (59.94 Hz system) 1/50 sec to 1/10,000 sec (50 HZ system)
Exposure Control	Auto, Manual, Priority AE, Exposure compensation, Blight
White Balance	Auto, Indoor, Outdoor, One-push auto, Manual
Optifal 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 = -3.4 mm (wide) to 33.9 mm (tele)
Minimum Object Distance	100 mm (wide)
Pan/Tilt Angle	Pan: $\pm 100^\circ$, Tilt: $\pm 25^\circ$
Pan/Tilt Speed (Max.)	Pan: 300°/sec, Tilt: 125°/sec
Preset Position	6

Camera Features

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

Interface

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

General

Power Requirements	DC 12 V (10.8 V to 13.0 V DC)
Power Consumption	max 26.4 W (at DC 12V)
Operating Temperature	32°F to 104°F 0°C to 40°C

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 x 152 x 135 mm
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Mass	3 lb 5 oz 1.5kg
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Body Color	Dark 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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Notes

Note	*[1] The values for dimensions are approximate.
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Gallery

