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EVI-D70P

The EVI-D70P is a Pan Tilt Zoom video camera for remote shooting and remote monitoring applications.



Intelligent communication to capture remotely every scene



The EVI-D70P combine a high quality colour video camera with the flexibility of a remote pan/tilt/zoom operation, all in a compact easy-to-use package. Incorporating an 18x optical zoom lens, these cameras allow a user to zoom in on a small or distant object with exceptional clarity.

Compared to his predecessor, the EVI-D31, the EVI-D70P camera offer a wide pan/tilt range, and a faster pan/tilt mechanism.

Above all, these cameras are ceiling mountable - a first for the popular Sony EVI cameras.

The EVI-D70P is equipped with a variety of convenient features such as auto ICR function, Alarm function and RS-232C/422 serial control , making them ideal for any remote shooting applications such as distance learning, indoor and outdoor security systems, courtrooms, event venues, concert halls, and more.

Features

High resolution picture quality

The EVI-D70 achieves excellent picture quality of over 460 TV lines using a Sony 1/4-inch EXView HAD colour CCD.

High speed, wide range PTZ

2. A high speed pan & tilt provides maximum speeds up to 100° per second horizontally and 90 degrees per second vertically, together with a wide angle coverage of ±170 degrees horizontally, and -30 to 90 degrees vertically.

x18 Optical Zoom

A x18 optical zoom gives f=4.1 mm to 73.8 mm, and F1.4 to F3.0

Ceiling/Desktop Mountable

The EVI-D70P is at the same time ceiling and desktop mountable. This capability is unique in the Pan Tilt Zoom market.

Six position pre-set

Six pre-set positions can be programmed into the camera's memory.

Auto Tracking

Users can pre-define subjects to be continually tracked. Pixels of similar colour and brightness can be detected by the EVI-D31 and the target extracted using the subject model, based upon light reflection and non-linear camera processing. Four modes for pre-defining a subject are available - pan & tilt, auto zoom, auto exposure and motion detection.

RS-232C/RS-422 serial port

The RS-232C serial port allows the camera to be controlled from remote locations up to 15 meters, whereas the RS-422 (new!!!) allows the camera to be controlled from remote locations up to 1200 meters.

Plug and Play product: Various applications

Simple installation and operation, together with remote access control over the Internet, gives users flexibility and creativity for many creative applications.

Benefits

Ceiling/Desktop mountable:

The new EVI-D70P camera is at the same time ceiling mountable and desktop, what represent a unique feature in this Pan Tilt Zoom market. In addition, a complete ceiling kit is provided with the camera.

Superb picture quality with Exview HAD CCD:

The adoption of Sony Exview had CCD improves basic camera performance. For example, these cameras offer superb sensitivity of 1 lux (typical), and a low smear level and D-range.

Auto ICR (IR Cut Filter Removal) Function:

The Auto ICR function automatically switches the settings to attach or remove the IR Cut filter is automatically disabled (ICR ON), and the infrared sensitivity is increased. With a set level of brightness, the filter is automatically engaged depending on the

ambient light, allowing the cameras to be effective both in day and night environments.

RS-232C or RS-422 Serial control (VISCA Command):

All camera settings and pan/tilt/zoom functions can be controlled remotely via a PC. With the RS-232C connection, maximum cable length can be extended to 15 meters, while the RS-422 connection extends this further to 1200 meters.

Technical Specifications

Video Signal	PAL
Image Sensor	1/4"Exview HAD Color CCD
Effective Pixels	752 (H) x 585 (V)
H. Resolution	460 TV lines
Lens	X18 Power Zoom, f=4.1mm to 73.8 mm, F1.8 to F3.0
H. Angle of View	2.7° to 48 degrees
Shortest Subject Distance	10mm (wide end), 800mm (Tele end)
Minimum Illumination	1lx (F1.4)
Auto Exposure	Auto/Manual/Priority AE, Exposure compensation, Backlight compensation
Shutter Speed	1 to 1/10,000 s
Gain	Auto/ATW/Indoor/Outdoor/One Push/Manual
White Balance	ATW/One Push Hold, Indoor Preset, Outdoor Preset(VISCA TM control)
S/N Ratio	more than 50dB

Pan/Tilt	Pan: -170° to +170° (Max. speed: 100°/s), Tilt: -30° to 90° (Max. speed: 90°/s)
Video Output	VBS, Y/C
Control Terminal	RS-232C (8 pin mini DIN)/RS-422 (9-pin) control (VISCA) Baud rate: 9.6 Kb/s, 38.4 Kb/s
Power Requirement	DC 10.8 to 13.2 V
Power Consumption	12 W
Operating Temperature	0 to 40 ° C (32 to 40°F)
Storage Temperature	-20 to 60 ° C (-4 to 140°F)
Dimensions (W x H x D)	132 x 144 x 144 mm
Mass	950 g

Supplied Accessories

AC power adapter (x 1)	
Operation manual (x 1)	
Remote Commander (x 1)	
Velcro Tape	