

SONY

## SSC-E438P

1/3-type Super HAD CCD II colour video camera

The SSC-E438P incorporates a 1/3-type Super HAD CCD II, which offers highly improved sensitivity compared to the conventional Super HAD CCD. Providing excellent picture quality and user-friendly features, the SSC-E438P is the perfect solution for surveillance applications in locations such as retail stores, offices, banks, and more.

### Features

#### Super HAD CCD II Technology

The SSC-E438P incorporates the newly developed Super HAD CCD II. This technology allows users to obtain images with extremely high sensitivity. Moreover, the SSC-E438P provides a minimum illumination of 0.4 lx at F1.2 in color mode and 0.05 lx at F1.2 in B/W mode. Therefore, the camera can reproduce images with high picture quality, even under low lighting conditions.

#### Innovative DSP Technology

Unlike conventional DSPs, the advanced DSP technology from Sony that is employed in the camera increases the horizontal resolution attainable by the CCD. The combination of this DSP technology and the Super HAD CCD II technology enables the camera to offer a high horizontal resolution of 540 TV lines, providing amazingly clear and detailed images.

#### Compact and Stylish Design

The compact and lightweight body of the SSC-E438P allows it to be installed in many different environments.

### Benefits

#### Wider Auto Tracing White (ATW) Range

ATW is a feature that automatically adjusts the camera's white balance to adapt to changing light conditions. The SSC-E438P provides an extremely wide ATW range of 2,000 K to 10,000 K, allowing adjustment-free operation under a variety of light conditions. Users can choose from two modes: ATW Pro and ATW. ATW Pro mode is particularly suited to applications where the operator needs to see objects as they appear to the eye. This ensures that a precise color image is always obtained.

#### Back Light Compensation (BLC)

Unwanted backlighting tends to cause the subject matter of an image to be cast into shadow. The BLC function of the camera automatically compensates for such undesirable conditions and improves the visibility of the subject.

#### Day/Night Function

The SSC-E438P features a "Day/Night" capability, which provides optimized sensitivity in both day- and night-shooting applications. As the scene darkens, an infrared filter is automatically replaced with a clear filter and the camera switches to black-and-white mode, allowing for operation at a minimum illumination of 0.05 lx (Automatic switch only).

### Technical Specifications

#### --General--

S/N ratio	Better than 50 dB (AGC OFF, WEIGHT ON)
Video out	1.0 Vp-p, 75 Ohms, sync negative
Auto iris lens	DC servo
Operating temperature	-10 to 50 °C (14 to 122 °F)

Storage temperature	-40 to 60 °C (-40 to 140 °F)
Power requirements	AC 220 V to 240 V +10%, 50 Hz
Power consumption	4.0 W
Mass	410 g (14 oz)
Dimensions (W x H x D)	60 x 53 x 124 mm (2 3/8 x 2 1/8 x 5 inches)
Supplied accessories	Lens mount cap (1), Operating instruction (1), Fall-prevention wire rope (1), Shoulder screw M4 (1), AC power cable
Image device	1/3-type Super HAD CCD II
Picture elements (H x V)	752 x 582
Sensing area	4.8 x 3.6 mm
Signal system	PAL standard
Sync system	Internal/Line Lock
Horizontal resolution	540 TV lines
Lens mount	CS mount (C mount is mountable using adaptor)
Minimum illumination	Color : 0.4 lx at F1.2 (50 IRE, AGC ON) B/W : 0.05 lx at F 1.2 (50 IRE, AGC ON)
AGC	TURBO/OFF switchable
CCD IRIS	ON/OFF switchable, 1/50 to 1/ 100,000 s
White Balance (WB)	Auto White Balance (ATW)
Back-Light Compensation (BLC)	ON/OFF switchable