



SSC-E418P

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

The SSC-E418P is equipped with a 1/3-type Super HAD CCD II, which offer improved sensitivity and color reproduction compared to the conventional Super HAD CCD. With excellent picture quality, beneficial features, and stylish design, the SSC-E418P is an ideal solution for a variety of applications in locations such as retail stores, offices, banks, and more.

Features

Super HAD CCD II Technology

The SSC-E418P employs the newly developed Super HAD CCD II, which offers greatly improved sensitivity and color reproduction. The technological development of this CCD achieves extremely high sensitivity levels and produces high-quality images. Moreover, the SSC-E418P achieve a minimum illumination of 0.3 lx. Therefore, the image quality under low-light conditions, which is critical for security cameras, has been improved significantly.

Innovative DSP Technology

The advanced DSP technology from Sony that is utilized in the camera increases the horizontal resolution attained by the CCD. The combination of this DSP technology and the Super HAD CCD II results in 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-E418P allows it to be installed in many different environments.

Benefits

Wider Auto Tracing White (ATW) Range

The ATW function automatically adjusts the camera's white balance to adapt to abrupt changes in lighting conditions. The SSC-E418P provides an extremely wide ATW range of 2,000 K to 10,000 K, allowing adjustment-free operation under a variety of lighting conditions.

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.

CCD Iris

The CCD IRIS function automatically adjusts the shutter speed depending on the amount of incident lights. As the image brightness increases, the camera adjusts the exposure by automatically reducing the CCD photo sensor's exposure time (charge accumulation time).

Technical Specifications

--General--

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	0.3 lx at F1.2 (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
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	3.5 W
Mass	385 g (14 oz)
Dimensions (W x H x D)	60 x 53 x 120 mm (2 3/8 x 2 1/8 x 4 3/4 inches)