

Incorporating Sony CCD Technology with High Sensitivity, the SSC-E413P and SSC-E418P are Ideal for Many Surveillance Applications

Satisfying the security industry's high demand for dedicated video surveillance cameras, Sony's SSC Series has been specifically designed for security applications. Sony now introduces a powerful new addition to its lineup with the SSC-E413P and SSC-E418P. These cameras are both equipped with a 1/3-type Super HAD CCD II, which offers improved sensitivity and color reproduction compared to the conventional Super HAD CCD. The SSC-E413P and SSC-E418P offer a minimum illumination of 0.3 lx at F1.2 and a signal-to-noise (S/N) ratio of more than 50 dB, allowing these cameras to produce amazingly clear and detailed images. Thanks to the combination of this excellent CCD and Sony's advanced DSP technology, the SSC-E413P and SSC-E418P boast a high horizontal resolution of 540 TV lines. In addition, their compact and stylish design enables users to integrate the cameras even in space-restricted environments. Moreover, the cameras incorporate sophisticated features such as Auto Tracing White Range (ATW), Back Light Compensation (BLC), and Turbo Automatic Gain Control (Turbo AGC).

With excellent picture quality, beneficial features, and a stylish design, the SSC-E413P and SSC-E418P are an ideal solution for a variety of applications in locations such as retail stores, offices, banks, and more.



Color Video Camera

SSC-E413P/SSC-E418P

Features

Superb Picture Quality

- **Super HAD CCD II Technology**

The SSC-E413P/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-E413P and 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 these cameras 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-E413P/E418P allows them to be installed in many different environments.

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-E413P/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 these cameras automatically compensates for such undesirable conditions and improves the visibility of the subject.

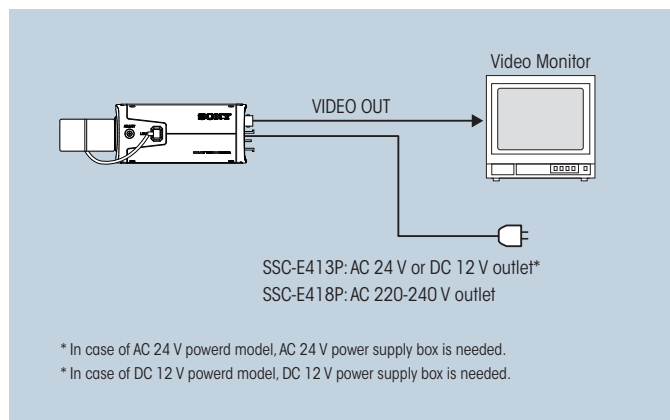
CCD Iris

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).

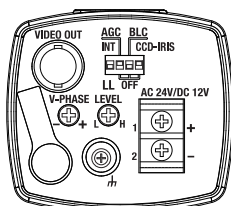
Other Features

- Internal Lock/Line Lock
- Turbo AGC
- AC 24V/DC 12V operation (for SSC-E413P)
- AC 220V~240V operation (for SSC-E418P)

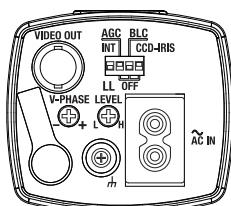
System Configurations



Rear Panel

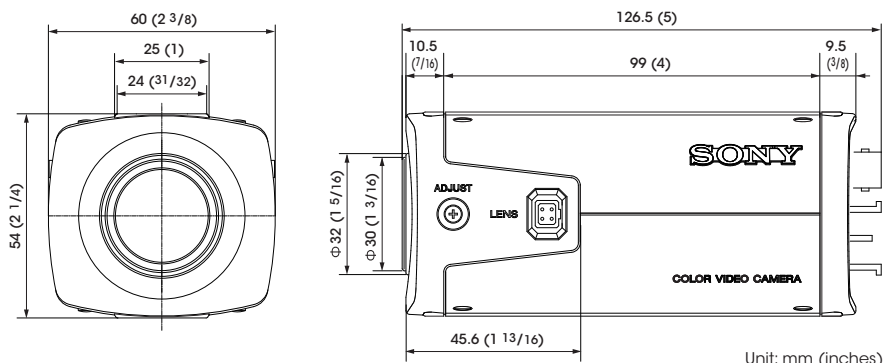


SSC-E413P



SSC-E418P

Dimensions



Specifications

	SSC-E413P	SSC-E418P
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 Ω, 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 24 V +10%, 50 Hz or DC 12 V +10% AC 220 V to 240 V +10%, 50 Hz	
Power consumption	3.5 W	
Mass	360 g (13 oz)	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)	
Supplied accessories	Lens mount cap (1), Operating instruction (1), Fall-prevention wire rope (1), Shoulder screw M4 (1), AC power cable (SSC-E418P only)	

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