

SONY

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SSC-M388CE

High Resolution, B/W video camera with 1/3 Type Exwave HAD™ CCD, AC220-240 volt



The SSC-M388CE offers dependably, high picture quality and sensitivity with a stylish, lightweight, compact design.

The Sony SSC-M388CE offers high picture quality with a resolution of 570TV lines at a competitive price. By incorporating Sony's Exwave HAD™ CCD technology a remarkably high sensitivity of 0.07 lux at F1.2 (50 IRE, AGC ON) is possible and an excellent signal-to-noise ratio of better than 50dB can be achieved.

In addition the SSC-M388CE has other great features such as backlight compensation, Turbo AGC, CCD Iris™, and a new stylish, compact design. The SSC-M388CE operates on AC220-240 volt.

Features

Horizontal resolution of 570 TV lines

The SSC-M388CE camera incorporates a 1/3 type IT Exwave HAD™ CCD with more than 437,000 effective picture elements and a horizontal resolution of 570 TV lines.

High sensitivity

Sony Exwave HAD™ CCD offers extremely high sensitivity from the use of an improved microlens over each pixel of the CCD, so that a light level of only 0.07 lux at F1.2 (50 IRE, AGC ON) is required to obtain excellent picture results.

BLC (Backlight Compensation)

The SSC-M388CE camera can automatically compensate for backlight conditions by switching on the Back Light Compensation (BLC) mode, which is centre measured. The BLC mode is on/off switchable.

Turbo AGC

The SSC-M388CE camera is equipped with an advanced Turbo AGC function. This boosts the range of the camera's AGC by up to 24 dB so that a subject under low illumination can be distinguished more clearly. The Turbo AGC is on/off switchable.

CCD IRISTM function

This function allows the use of an inexpensive manual iris lens instead of a more costly automatic iris lens.

As the scene illumination level varies, this camera compensates by automatically changing the exposure time of the photo sensors. This is achieved by varying the electronic shutter speed of the CCD over a range or 1/50 to 1/100,000 of a second.

CS-mount

The camera can be used with CS-mount lenses and precise back-focus adjustment can be easily accomplished. C-Mount lenses also can be used with a C-mount adapter.

AC 220-240 volt operation

The SSC-M388CE operates on AC 220-240 volt.

Stylish and Compact Design

The new stylish compact design is lightweight and easy to integrate into almost any interior. In addition due to the compact size it is easy to fit into almost any housing.

Benefits

Excellent Picture Quality

High quality images can be captured with a horizontal resolution of 570 TV lines, providing your video surveillance system the detail required for effective monitoring and recording.

Clear image acquisition under low-light conditions

The SSC-M388CE offers remarkably high image acquisition under low-light conditions resulting in greater convergence so that a light level of only 0.07 lux (F1.2, 50 IRE, AGC ON) is required for clear image acquisition.

Compensation of strong backlighting effects

The analogue Backlight Compensation function helps to overcome strong backlighting effects, which often cause the subject of the picture to be cast into a shadow. This makes the subject more easily visible, providing an improved level of object recognition in surveillance and monitoring systems.

Use of manual Iris lens instead of Auto Iris lens.

In the case that the illumination level of the scene changes slightly, the SSC-M388CE does not necessarily require a more costly auto iris lens because of the CCD Iris™ function. As the illumination changes the CCD Iris function responds by automatically reducing or increasing the exposure time of the photosensors.

Flexible choice of lens

The SSC-M388CE does not limit you in choice of lenses as it accepts both DC servo and video servo lenses, when a DC servo lens is used, the level of output signal is adjustable. In addition you have the freedom to choose between a CS-mount or a C-mount lens.

Technical Specifications

Image device	1/3" Interline Transfer CCD
Sensing area	1/3" format (4.8 x 3.6mm)
Scanning System	625 Lines 50 Fields/25 Frames, 2:1Interlace
Picture Elements	752(H) x 582(V)
Signal System	CCIR standard
Synchronisation	Line Lock
V-Phase Control	±90°
Video Signal	1.0 V peak to peak at 75 Ohms, sync negative
Horizontal resolution	570 TV lines
Signal/Noise	Better than 50 dB (AGC OFF, Weight ON)
Minimum Illumination	0.04 lx at F1.2 (30 IRE, AGC ON) 0.07 lx at F1.2 (50 IRE, AGC ON) 0.3 lx at F1.2 (100 IRE, AGC ON)
AGC	ON (Turbo AGC) / OFF switchable
CCD Iris	ON/OFF switchable:1/50 to 1/100,000 second
Auto Iris Lens	DC / VIDEO servo switchable

Iris Level Control	Variable
BLC	ON(Centre measured)/OFF switchable
Lens mount	CS mount (C mount is mountable by using adapter)
Power requirement	220-240VAC±10%, 50Hz
Power consumption	2.6 Watts (AC220V)
Dimension	60(W) x 54(H) x 120(D) (mm) (2 3/8 x 2 1/4 x 4 3/4 inches)
Mass	390g (14 oz)
Operating Temperature	-10°C to + 50°C (14°F to 122°F)
Operating Humidity	20% to 80%, Non-condensing

Supplied Accessories

AC power cord	
Lens mount cap (1)	
Operation instructions (1)	