

# SONY®

NTSC

## CCD Color Video Cameras **SSC-DC134**



**T**he Sony SSC-DC134 is a 1/3" color Super HAD CCD™ camera designed specifically for surveillance and monitoring systems. This camera provides high sensitivity and is equipped with a backlight compensation (BLC) function and our CCD IRIS® technology, all in a compact body design. This model also incorporates DSP (Digital Signal Processor) technology which contributes to high picture stability and reliability. Offering excellent performance and ease of use at a low cost, the SSC-DC134 camera is ideal for a wide range of surveillance applications.

## Outstanding Features

### High Picture Quality

The SSC-DC134 camera incorporates a 1/3" IT (Interline Transfer) Super HAD CCD which allows the camera to achieve a horizontal resolution of over 330 TV lines. Sony's Super HAD CCD technology offers remarkably high sensitivity with an improved microlens over each pixel, providing a greater convergence of light onto the photo sensitive layer of the CCD. As a result, only 0.85 lux (F1.2 (50 IRE)) is required for clear image acquisition. Furthermore, with its wide ATW white balance range, colors appear natural even under low color temperature illuminants such as high pressure sodium lamps (2,100 K).

### DSP Technology

The SSC-DC134 camera includes a DSP (Digital Signal Processor) LSI technology that delivers excellent picture performance. DSP technology also provides a high level of stability and reliability that can not be achieved with analog signal processing.

### Backlight Compensation Function

Strong backlight can often cause the subject of the picture to be cast into shadow. The SSC-DC134 camera can compensate for such backlight conditions by switching the BLC switch to ON, making the subject more easily visible. This feature adds greater flexibility to surveillance and monitoring systems.

### Advanced Turbo AGC™

The SSC-DC134 camera is equipped with a new advanced Turbo AGC function, which boosts the camera's video gain over the AGC range up to 24 dB so that the subject under low illumination can be distinguished more clearly. The SSC-DC134 camera is always set to Turbo AGC.

### CCD IRIS Function

This function allows the use of a manual iris lens instead of a more costly automatic iris lens. As the scene illumination level increases, this camera responds by automatically reducing the exposure time of the photosensors. This is achieved by changing the electronic shutter speed of the CCD, in the range of 1/60 to 1/100,000 of a second.

### Automatic White Balance Control

The SSC-DC134 camera incorporates a wide-range ATW (Auto Tracing White Balance) function. It adjusts the white balance automatically in response to the light conditions, such that pictures with an appropriate color balance can always be obtained. The usable range of 2000 K to 10000 K allows the camera to be used under a wide variety of lighting conditions.

### AC Line Lock Capability

The SSC-DC134 camera features AC Line Lock for external synchronization. Using the AC power frequency (60 Hz) as the vertical sync reference provides roll-free switching in multi-camera installations. In addition, the SSC-DC134 camera has an externally adjustable Vertical Phase ( $\pm 90^\circ$ ) control to achieve proper vertical synchronization when cameras are powered from various power phases in a facility.

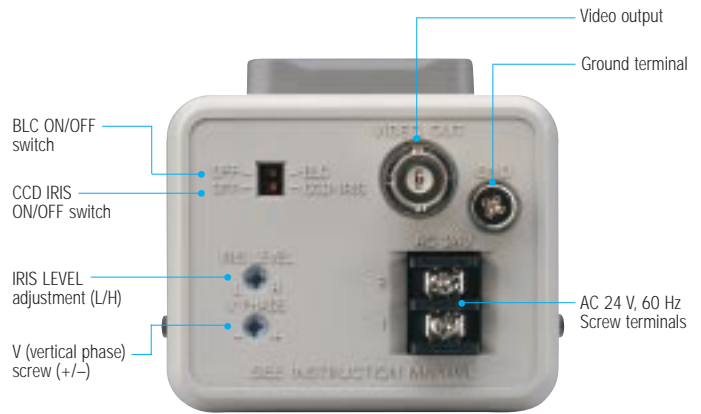
### DC Servo Auto Iris Lens Connection Capability

The SSC-DC134 camera is equipped with a 4-pin auto iris connector for the attachment of popular DC servo type auto iris lenses.

### C/CS-Mount Lens Compatibility

The SSC-DC134 camera can be used with either C-mount or CS-mount lenses and precise back-focus adjustment can be easily accomplished. This broadens your choice of lens.

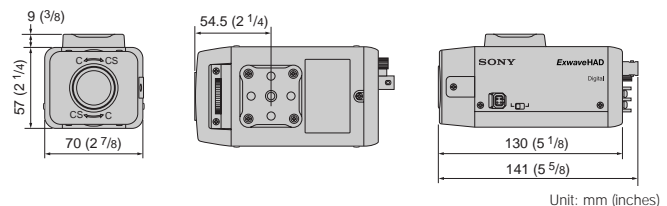
## Rear Panel



## Specifications

Image device:	1/3 type Interline Transfer CCD										
Picture elements:	510 (H) x 492 (V)										
Sensing area:	1/3 type format (4.8 x 3.6 mm)										
Signal system:	NTSC standard										
Sync system:	AC line lock 60 Hz										
Phase control:	$\pm 90^\circ$										
Horizontal resolution:	>330 TV lines										
Lens mount:	C/CS mount (Adjustable)										
Minimum illumination:	0.45 lx at F1.2 (30 IRE, AGC ON, Turbo mode) 0.85 lx at F1.2 (50 IRE, AGC ON, Turbo mode) 3.45 lx at F1.2 (100 IRE, AGC ON, Turbo mode)										
Automatic gain control (AGC):	Always ON (Turbo)										
CCD IRIS control:	ON/OFF switchable, 1/60 to 1/100,000 second										
White balance:	ATW only (2000 K to 10000 K)										
Backlight compensation:	Center weighted										
Signal-to-noise ratio:	50 dB (AGC OFF, Weight ON)										
Video out:	BNC, 1.0 Vp-p, 75 $\Omega$										
Operating temperature:	-10°C to +50°C (14°F to 122°F)										
Storage temperature:	-40°C to +60°C (-40°F to 140°F)										
Power requirements:	AC 24 V $\pm 10\%$ , 60 Hz										
Power consumption:	4.0 Watts										
Weight:	1 lb 3 oz (550 g)										
Auto iris type:	DC servo										
Connectors:	LENS (4-pin) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Pin</th> <th>DC servo</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Control (-)</td> </tr> <tr> <td>2</td> <td>Control (+)</td> </tr> <tr> <td>3</td> <td>Drive (+)</td> </tr> <tr> <td>4</td> <td>Drive (-) (GND)</td> </tr> </tbody> </table>	Pin	DC servo	1	Control (-)	2	Control (+)	3	Drive (+)	4	Drive (-) (GND)
Pin	DC servo										
1	Control (-)										
2	Control (+)										
3	Drive (+)										
4	Drive (-) (GND)										
Supplied accessories:	Lens mount cap (1) 4-pin plug connector for auto iris lens (1) Operating instruction (1)										

### Dimensions:



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S-SSC-DC134  
MK7588V10HB00AUG

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