



SSC-CD49P

The SSC-CD49P is a compact and discreet dome camera designed for indoor security and surveillance monitoring applications.

The camera incorporates unique DynaView technology, providing wide dynamic range.

- Wide Dynamic Range With DynaView Technology
- Powerful 3.6x zoom, vari-focal lens
- Wall- or Ceiling-mountable/Easy viewing-angle adjustment
- Ball-Joint lens mount technology
- Automatic gain control (AGC)
- Auto tracing white balance (ATW)/ATW pro
- AC line Lock/Internal line lock
- Flexible power operation

Features

Wide Dynamic Range With DynaView Technology

The SSC-CD49P incorporates DynaView technology, which dramatically improves the camera's dynamic range by 128 times when compared to conventional cameras. This results in clear image reproduction, even in extreme high-contrast environments.

The camera captures the same image twice - first with a normal shutter speed, and then with a high shutter speed. The dark areas captured at normal shutter speed and the bright areas captured at high shutter speed are then combined into one image using an advanced DSP LSI.

Additionally, as these high-contrast scenes may have different lighting conditions, two white balance circuits are employed - one for normal shutter speed and the other for high shutter speed.

This advanced technique reproduces high-contrast images with proper colour.

Powerful 3.6x Zoom, Vari-focal Lens

The camera comes equipped with a 3.6x zoom, vari-focal lens that covers an extremely wide range of viewing angles from 100.8° (wide-angle) to 27.2° (telephoto). This feature provides installation flexibility for a number of different applications and locations.

Automatic Gain Control (AGC)

The camera is equipped with an advanced AGC function. This automatically boosts the camera gain up to 24 dB, allowing operators monitoring the image to distinguish the subject more easily in low light conditions.

Ball-Joint Lens Mount Technology

With the Sony patented Ball-Joint Lens Mount mechanism incorporated into the vari-focal lens of the camera, the lens can be rotated freely in any direction. Unlike conventional cameras, it takes only one action to adjust the pan and tilt angles, allowing for quick and easy adjustment of the camera's viewing angle during installation.

Benefits

Wall- or Ceiling-mountable/Easy Viewing-angle Adjustment

The camera can be easily wall- or ceiling-mounted, for installation flexibility. Also, in addition to the BNC video output on the rear of the camera, a secondary video output (RCA phono jack) is provided on the front of the camera. This allows installers to monitor images during installation for

accurate and quick adjustment of the focus and viewing-angle.

Auto Tracing White Balance (ATW)/ATW Pro

ATW is a feature that automatically adjusts the camera's white balance to adapt to changing light conditions. With ATW, the camera can compensate for a color temperature range of between 2,000 K and 10,000 K, allowing for operation under a variety of lighting conditions, including special light sources such as a sodium vapor lamp.

When operating under natural light, incandescent lamps, or fluorescent light sources, ATW Pro - which compensates for a color temperature range of between 2,500 K and 6,000 K - is ideal for

reproducing color images closer to what we see with our eyes.

AC Line Lock/Internal Line Lock

The camera features both an AC line lock and an internal line lock for synchronization. The AC line lock is ideal in multi-camera operations, as it synchronizes all cameras connected to the same power line. This prevents the video from rolling vertically when switching between cameras. The vertical phase can be adjusted by ± 90 degrees.

Flexible Power Operation

The camera offers a choice of two types of power: 24 V AC or 12 V DC. The camera automatically adapts to whichever power source is used, making installation fast and effective.

Technical Specifications

--Camera--

Image device	1/3-type CCD with DynaView Technology
Number of effective pixels (H x V)	440,000 (752 x 582)
Gain control	ON/OFF
White balance mode	ATW/ATW Pro
Lens type	Auto iris vari-focal lens
Zoom ratio	3.6x optical zoom (1.5x digital zoom)
Horizontal viewing angle	100.8 to 27.7°
Focal length	f=2.8 to 10.0 mm
Backlight compensation	DynaView ON/OFF
Analogue video output	BNC x1, 1.0 Vp-p, 75 ohms, RCA x 1
Signal system	PAL (Composite)
Sync system	AC Line Lock/Internal Lock
Horizontal resolution	480 TV lines
S/N ratio	more than 50 dB (AGC ON/Weight ON)
Min. illumination	0.7 lx (50IRE, F1.3, AGC ON)

--General--

Mass	approx. 440 g (15 lb)
Dimensions (W x H)	approx. 126 x 97 mm (5 x 3 7/8 inches)
Power requirements	AC24V/DC12V
Power consumption	4.2 W max.
Operating temperature	-20 to 50 °C (-4 to 122 °F)
Storage temperature	-40 to 60 °C (-40 to 140 °F)