

SONY



## SSC-CD79P

Vandal-resistant mini-dome camera designed for either indoor or outdoor use. Incorporates DynaView technology, providing clear images even in extreme high-contrast environments.

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### Features

#### Wide Dynamic Range With DynaView Technology

The SSC-CD79P 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 27.7°(telephoto). This feature provides installation flexibility for a number of different applications and locations.

#### Ruggedised Design

The vandal-resistant SSC-CD79P camera is housed in a heavy-duty, aluminium die-cast enclosure with an

impact-resistant polycarbonate dome. The camera complies with the IP66 standard, for protection against water and dust.

#### Day/Night Function

The SSC-CD79P camera can switch from day mode (colour) to night mode (B/W) by replacing its infrared-cut filter with a clear filter. Based on user presets, the camera can toggle between day mode and night mode using an external sensor or automatically in response to surrounding light conditions. The camera can simultaneously switch to night mode and provide a trigger for near-IR illuminators via its external control port, allowing it to operate even in zero lx conditions.

#### 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.

### 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.

#### 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 cameras viewing angle during installation.

### 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.

### 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 colour 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 vapour lamp. When operating under natural light, incandescent lamps, or fluorescent light sources, ATW Pro - which compensates for a colour temperature range of between 2,500 K and 6,000 K - is ideal for reproducing colour images closer to what we see with our eyes.

### AC Line Lock/Internal Line Lock

These cameras feature 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  $\pm 90$  degrees.

## Technical Specifications

Image device	SuperExwaveTechnology
Number of effective pixels	440,000 pixels, 752 (H) x 582 (V)
Zoom ratio	Optical x3.6
Focal length	f=2.8 . 10mm
Horizontal view angle	100.8 - 27.7 degree
F Number	F1.3 (Wide end), F3.0 (Tele end)
Iris	Auto
Minimum illumination	Color : 0.6lx, B/W : 0.06lx (50IRE) Color : 0.35lx, B/W : 0.03lx (30IRE)
Minimum object distance	300mm
White balance	ATW (2000K - 10000K) / ATW Pro (2500K - 6500K)
Auto Gain Control	ON / OFF
Back Light Compensation	ON / OFF
Sync system	Line Lock / Internal
Video output	Composite video (1Vp-p)
Horizontal resolution	540 lines
S/N ratio	more than 50dB (AGC OFF)
Mass	approx. 1.75 kg
Dimensions	50C177.5 x 141.5
Power requirements	AC24V, DC12V
Power consumption	max. 4.0W (16.0W with heater option)
Operating temperature	-20C to +50C (- 40C to +50C with heater option)
Storage temperature	-40C to +60C
Operating humidity	20 to 80%
Storage humidit	3.620 to 95%

### Supplied Accessories

M4 screws (4)  
 Operating instructions  
 Day/Night cable  
 Torx wrench,  
 Template  
 Bracket  
 M4 shoulder screw  
 Wire rope