

## SSC-CD73VP

High Resolution, Colour, Rugged Design Mini Fixed Dome Camera with SuperHAD™ CCD and "Day/Night" function



The new SSC-CD73VP camera incorporates a "Day/Night" function to capture high-quality, colour images during the day and clear, black and white (B/W) images at night. Ideal for outdoor applications, the ruggedised model is equipped with a heavy-duty enclosure that features an Ingress Protection Rating of IP66.

The SSC-CD73VP colour camera provides a high resolution of 480 TV lines and operates under a minimum illumination of 0.9 lx (colour mode) / 0.2 lx (B/W mode)

## Features

### High resolution of 480 TV lines

The SSC-CD73VP incorporates a 1/4" IT Super HAD™ CCD providing an outstanding resolution of 480 TV lines and a signal-to-noise ratio of more than 50 dB (AGC Off, Weight On).

### Built-in CS Mount, Auto Iris Vari-Focal Lens

The SSC-CD73VP comes with a built-in CS mount, auto iris varifocal lens with a focal length of 3.0 to 8.0 mm to cover a broad range of viewing choices and feature a new masked dome cover with a clear slit. The versatile lens compensates the focal length difference between visible light and infrared light.

### Heavy-duty enclosure

Aluminium Die-casting casing endures the equivalent of 1 t of force with Anti-theft screws (Stainless steel)

### Rainproof

Complying with IP66 standard, making it suitable for outdoor installation

### AC24V / DC12V operation

Either AC 24V or DC 12V is selected automatically for proper operation upon power supplying.

### Turbo AGC

The SSC-CD73VP is equipped with an advanced Turbo AGC function. This boosts the range of the cameras' AGC by up to 24 dB so that a subject under low illumination can be distinguished more clearly.

### Backlight compensation

Center weighted backlight compensation is offered to make the object easily visible under strong backlight conditions.

### Automatic White Balance Control

The SSC-CD73VP incorporate a wide-range ATW (Auto Tracing White Balance) function. It adjusts the white balance automatically in response to the light conditions. The usable range of 2,000 K to 10,000 K allows the camera to be used under a wide variety of light conditions.

### External sync line lock (AC operation only)

The synchronisation capability allows multiple camera operation.

## Benefits

### Day/Night Function

The SSC-CD73VP offers a "Day/Night" function to provide optimised sensitivity in both day and night shooting scenarios. As the scene illumination reduces and the acquired image darkens, the infrared cut filter is automatically removed and the camera switches to B/W mode, requiring only a minimum illumination of 0.2 lx. Incorporating an IR optimised lens for the "Day/Night" function, the camera can produce clear and crisp images under normal illumination or when used with near-IR illuminators. In addition, "Day/Night" modes can be automatically switched, or manually initiated on demand through an external control signal.

### Built-in CS Mount, Auto Iris Vari-Focal Lens

The SSC-CD73VP comes with a built-in CS mount, auto iris varifocal lens with a focal length of 3.0 to 8.0 mm to cover a broad range of viewing choices and feature a new masked dome cover with a clear slit. The versatile lens compensates the focal length difference between visible light and infrared light. The result is clear and crisp images (the subject remains in

focus) when going from visible to infrared light and vice versa.

### **Superior Picture Quality**

Capable of capturing colour images with a horizontal resolution of 480 TV lines making it the ultimate tool for effective monitoring providing all the detail required.

### **Easy installation**

Picture adjustment after installation is easy thanks to the incorporated lens. The position of the mini dome's vari-focal lens can be freely rotated to allow for quick and easy changes in the viewing area after installation.

### **Especially suited for hostile environments**

The SSC-CD73VP is designed to perform under extreme conditions where there may be a risk of unwanted violence or industrial areas as the heavy-duty

enclosure endures the equivalent of 1 t of force. Also, anti-theft screws are to prevent any attempts to steal or break the camera.

### **Discrete observation**

The SSC-CD73VP is more discreet than traditional security cameras making it ideal for surveillance sites where video cameras should be less noticeable such as schools, police stations and discotheque entrances. In addition to the discreteness, Sony's original sleek triangular design of the cameras fits smartly into any surveillance site. An optional in-ceiling mounting bracket is available for an even more discrete profile.

### **Ideal for outdoor applications**

The rugged SSC-CD73VP, equipped with aluminum die-cast heavy duty enclosure, compliant with IP66 standard, is rainproof making it suitable for outdoor applications.

## Technical Specifications

Type	Ruggedised
Signal system	PAL
Image device	1/4 type Super HAD CCD
Effective picture elements	752 (H) x 582 (V)
Horizontal resolution	480 TV lines
Minimum illumination Colour	0.4 lx at F1.0 (30 IRE, AGC ON) 0.9 lx at F1.0 (50 IRE, AGC ON)
Minimum illumination B&W	0.1 lx at F1.0 (30 IRE, AGC ON) 0.2 lx at F1.0 (50 IRE, AGC ON)
S/N ratio	More than 50 dB (AGC OFF, Weight ON)
Built-in lens	Vari-focal auto iris lens, CS-mount
Focal length	f=3.0 to 8.0 mm
Maximum relative aperture	F 1.0
Minimum object distance	0.2 m
View angle	W=84.7° (D), 66.6° (H), 49.3° (V) T=33.6° (D), 26.9° (H), 20.1° (V)
White Balance (WB)	ATW, 2,000 K to 10,000 K
AGC	Turbo AGC (up to 24 dB) / OFF switchable

Back-light Compensation (BLC)	ON (Centre measured) / OFF switchable
CCD Iris	1/50 to 1/100000 s
Sync system	Internal or AC line lock (for AC 24 V)
Video out	BNC, 1.0 Vp-p, 75 ohm, sync negative
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Storage temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating humidity	20% to 80% (non condensing)
Storage humidity	20% to 95% (non condensing)
Power requirements	AC 24 V ±10% or DC 12 V ±10 % (Automatically switched)
Power consumption	3.6 W
Mass	Approx. 1150 g
Dimensions (W x H x D)	147 x 111 x 148 mm

### Supplied Accessories

Screw TP4 x 30 (4x)	
Monitor cable (1)	
Operating instructions (1)	
Screw driver	

## Accessories

### Housings

#### **YT-ICB73V**

In Ceiling Bracket for SSC-CD73VP