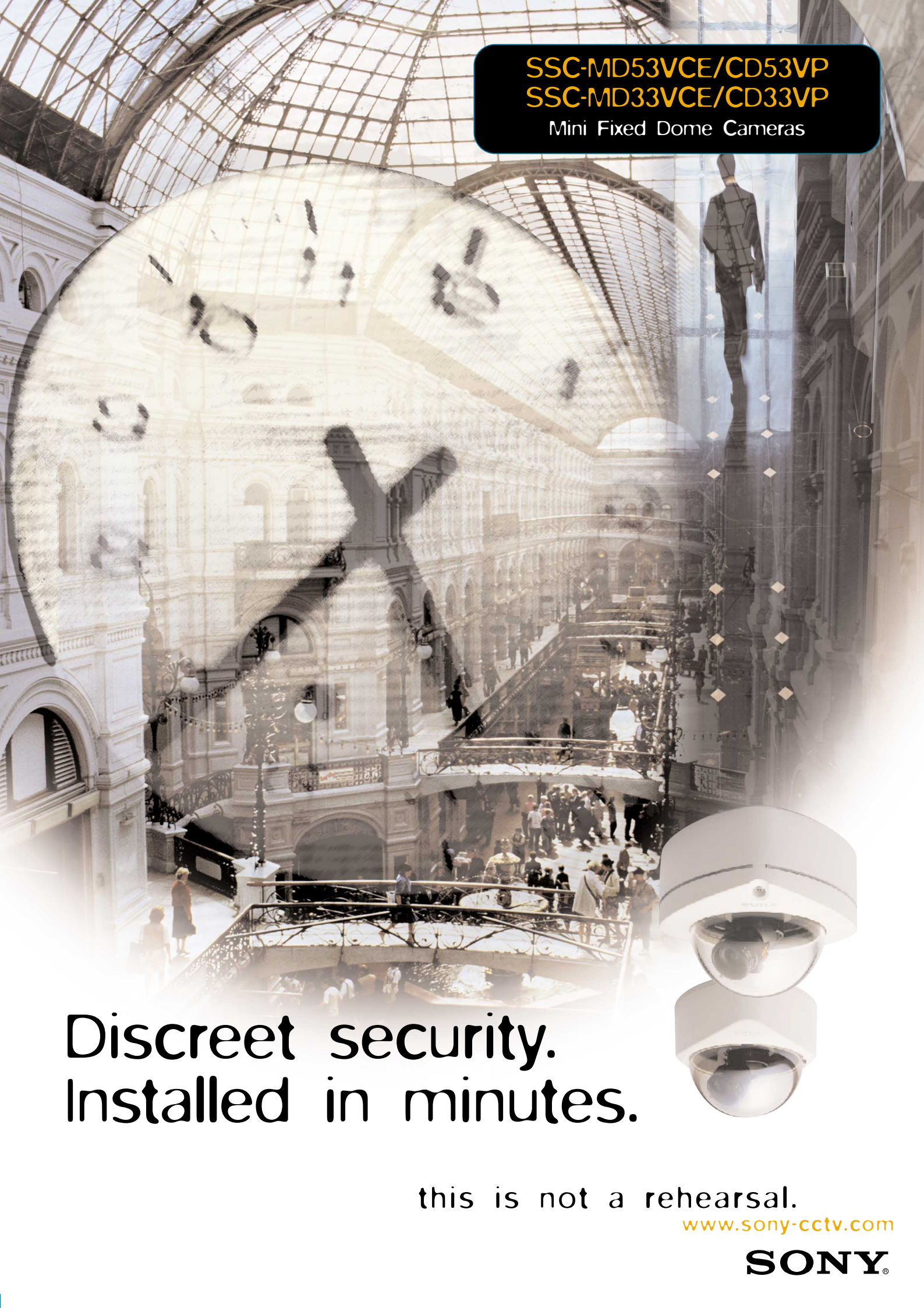


**SSC-MD53VCE/CD53VP**  
**SSC-MD33VCE/CD33VP**

Mini Fixed Dome Cameras



**Discreet security.**  
**Installed in minutes.**

this is not a rehearsal.

[www.sony-cctv.com](http://www.sony-cctv.com)

**SONY**



SONY INTRODUCES the SSC-MD53VCE, SSC-CD53VP, SSC-MD33VCE, SSC-CD33VP – four high-resolution mini fixed dome cameras to its extensive range of surveillance video cameras. More discreet than traditional security cameras, the dome cameras are ideal for the surveillance sites where video cameras should be less noticeable such as building entrances, retail stores, shopping malls, etc. In addition to the discreetness, Sony original sleek triangular design of the cameras fits smartly into any surveillance site.

To accommodate users' requirements, Sony provides a choice of four models which differ in the body strength (rugged/normal) and signal system (B&W / Color). Ideal when extra protection against unwanted tampering in hostile environments is required or for outdoor application, the rugged models – the SSC-MD53VCE and SSC-CD53VP – are equipped with heavy duty enclosure which complies with IP66 standard, while the other two normal type housings – the SSC-MD33VCE, SSC-CD33VP – are suitable for indoor use. All four models are equipped with auto iris vari-focal lens with a focal length of 2.8 to 5.8 mm to set the optimum viewing area. Moreover, incorporated 1/4 type Super HAD CCD<sup>®</sup> offers outstanding high resolution of 570 TV lines (B/W) or 480 TV lines (colour) to realize excellent picture quality. As for power source, all the models are applicable to both DC 12V and AC 24V and can automatically switch to either of the two modes upon supplying power, providing flexible installation.

# Features

## Rugged design

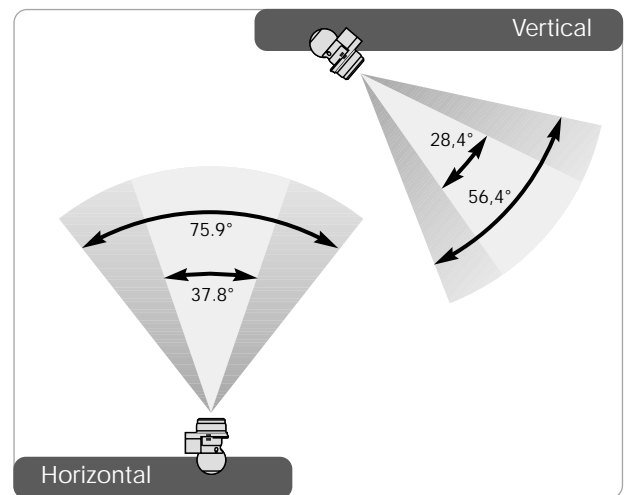
(SSC-MD53VCE and SSC-CD53VP)

The SSC-MD53VCE and SSC-CD53VP are equipped with aluminum diecast heavy duty enclosure complying with IP66 standard. The entire camera enclosure is durable enough to withstand strong impacts from outside. Also, anti-theft screws are used for these models to prevent any attempts to steal or break the camera.

## Built-in auto iris vari-focal lens

The focal length of the vari-focal lens is as wide as 2.8 to 5.5 mm, equivalent of 2x zoom. The large angle of view – range: 75.9° to 37.8° (H), 56.4° to 28.4° (V) covers a wide range of viewing areas.

### Vari-focal lens, wide angle of view



## High picture quality

Adoption of 1/4 type Super HAD CCD allows the camera to achieve a horizontal resolution of over 570 TV lines (B/W) or 480 TV lines (Colour) and excellent sensitivity of 0.4 lx (B/W) or 2.0 lx (Colour) (AGC On, F1.4, 50 IRE, clear cover).

## AC 24V / DC 12V Operation

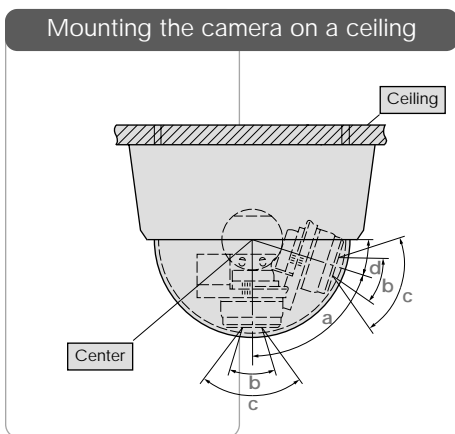
Either AC 24V or DC 12V is selected automatically for proper operation upon power supplying.



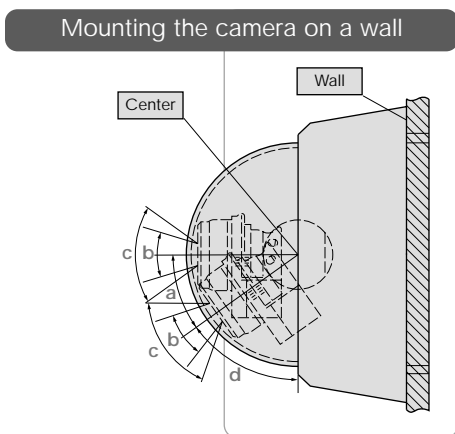
## Easy mounting and installation

Incorporated lens allows for easy picture adjustment after installation. The position of the vari-focal lens can be freely rotated 360° horizontally allowing for easy changes in the viewing area after installation. The camera employs a Sony unique "lens adjustment screw".

### Adjustment range of lens angle



- a Approx. 70°: Range of adjusted angle
- b 28.4°: View angle (Tele)
- c 56.4°: View angle (Wide)
- d Approx. 20°: Maximum angle



- a Approx. 35°: Range of adjusted angle (Toward ground)
- Approx. 70°: Range of adjusted angle (Toward ceiling)
- b 28.4°: View angle (Tele)
- c 56.4°: View angle (Wide)
- d Approx. 55°: Maximum angle (Toward ground)
- Approx. 20°: Maximum angle (Toward ceiling)

## AC Line Lock Capability (AC 24 V only)

These cameras feature AC line lock for external synchronization. Using the AC power frequency (50 Hz) as the vertical sync reference provides roll-free switching in multi-camera installations. These cameras also have an externally adjustable Vertical Phase ( $\pm 90^\circ$ ) control, so that completely accurate synchronization can be attained.



Ceiling Surface Mount (Normal Model)



Ceiling Flush Mount (Normal Model)  
\* Optional In-ceiling bracket is required

## AGC/Turbo AGC™

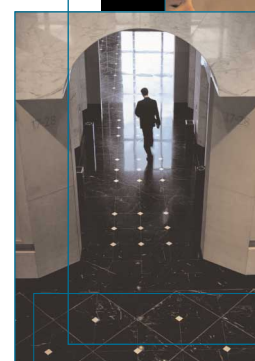
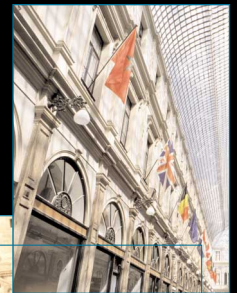
The switchable AGC (up to 18 dB) and Turbo AGC (up to 24 dB) function boosts camera video gain so that the subject under low illumination can be distinguished more clearly.

## BLC ON/OFF

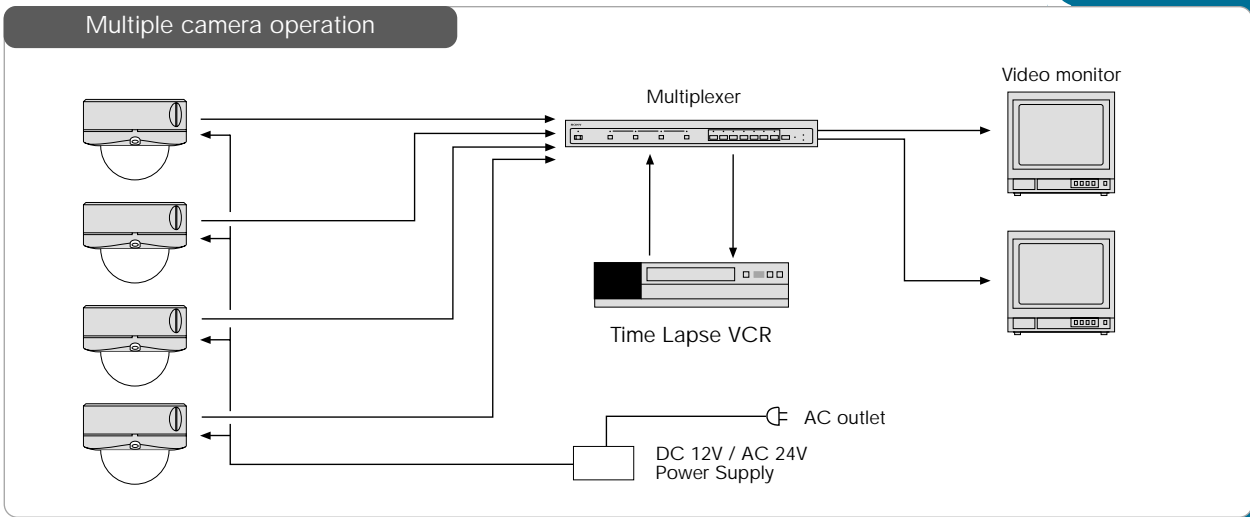
The analogue Backlight Compensation function helps to overcome strong backlighting effects, which often cause the subject of the picture to be cast into shadow. Picture brightness can be adjusted automatically to allow for changes in lighting conditions optimizing the image under very adverse lighting conditions.

## Automatic White Balance Control

The SSC-CD53VP/CD33VP cameras incorporate a wide-range ATW (Auto Tracing White Balance) function. This allows the white balance to be automatically adjusted in response to light conditions, such that pictures with an appropriate colour balance can always be obtained. The usable range of 2,200 K to 10,000 K allows the camera to be used under a wide variety of light conditions.



# Typical System



# Specifications

	Rugged Type		Normal Type	
Model name	SSC-MD53VCE	SSC-CD53VP	SSC-MD33VCE	SSC-CD33VP
Signal system	CCIR	PAL	CCIR	PAL
Image device	1/4 type IT CCD			
Picture elements	752 (H) x 582 (V)			
Horizontal resolution	570 TV lines	480 TV lines	570 TV lines	480 TV lines
S/N ratio	More than 50 dB (AGC Off, Weight On)			
Minimum illumination	0.2 lx (AGC On, F1.4, 30 IRE, clear cover) 0.4 lx (AGC On, F1.4, 50 IRE, clear cover)	1.2 lx (AGC On, F1.4, 30 IRE, clear cover) 2.0 lx (AGC On F1.4, 50 IRE, clear cover)	0.2 lx (AGC On, F1.4, 30 IRE, clear cover) 0.4 lx (AGC On F1.4, 50 IRE, clear cover)	1.2 lx (AGC On, F1.4, 30 IRE, clear cover) 2.0 lx (AGC On, F1.4, 50 IRE, clear cover)
AGC	Turbo AGC (up to 24 dB)/Normal AGC (up to 18 dB), switchable			
Iris control mode	Auto Iris Lens			
White balance	—	ATW	—	ATW
Backlight compensation (BLC)	On (Centre measured)/Off switchable			
Video output signal	VS (1 Vp-p, 75 Ω, BNC)	VBS (1 Vp-p, 75 Ω, BNC)	VS (1 Vp-p, 75 Ω, BNC)	VBS (1 Vp-p, 75 Ω, BNC)
Rain proof	IP66			
Dimension	Base approx. 137 (W) x 105 (H) x 138 (D) mm Bubble approx. 91 (φ) mm		Base approx. 117 (W) x 95 (H) x 118 (D) mm Bubble approx. 91 (φ) mm	
Mass	Approx. 870 g		Approx. 320 g	
Built-in lens	Vari-focal lens f-2.8 to 5.8, from F1.4 Auto iris			
View angle	W95.7° (D), 75.9° (H), 56.4° (V) T47.3° (D), 37.8° (H), 28.4° (V) Minimum object Distance: 0.2 m			
Focus length				
Input voltage	AC 24 V/DC 12 V			
Synchronization system	Internal or Line lock (for AC 24 V)			
Power consumption	2.3 W	3.5 W	2.3 W	3.5 W
Operating temperature	-20°C to 50°C			
Relative operating humidity	20 % to 80 % (non condensing)			
Optional accessories	YT-LDC53V YT-LDC33V YT-ICB53V YT-ICB33V	Clear dome cover for SSC-MD53VCE, SSC-CD53VP Clear dome cover for SSC-MD33VCE, SSC-CD33VP In-ceiling bracket for SSC-MD53VCE, SSC-CD53VP In-ceiling bracket for SSC-MD33VCE, SSC-CD33VP		
Dimensions (unit: mm)				

Distributed By

© 2001 Sony Corporation. All rights reserved.  
 Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice.  
 All non-metric weights and measures are approximate.  
 Super HAD CCD is a registered trademark of Sony Corporation. Turbo AGC is a trademark of Sony Corporation. Sony is a registered trademark of Sony Corporation. All other trademarks are the property of their respective owners.

CA-SSC-MD33/53VCE/CD33/53VP/GB- / 2001