

For DC Power Type

Resistance of copper wire [at 20°C]

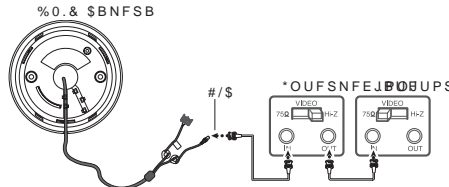
Copper wire size (AWG)	#24(0.25mm)	#22(0.33mm)	#20(0.52mm)	#18(0.8mm)
Resistance (Ω / m)	0.078	0.050	0.030	0.018
Voltage Drop (V/m)	0.028	0.018	0.011	0.006

- As the voltage drop according to the length of the cable in the above table, a camera may malfunction if there is an excessively long cable run.
- * Voltage for camera operation: 12V DC ±10%
- * Voltage drops in the above table are variable according to types of cable manufacturer.

Connection to Monitor

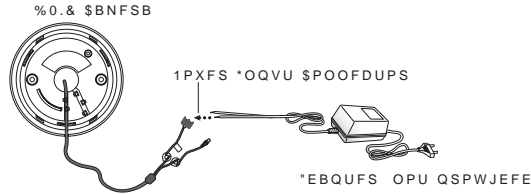
Connect the VIDEO-OUT jack to the VIDEO-IN jack of monitor.

- As a connecting method varies according to instruments, refer to the manual supplied with the instrument.
- Connect the cable after power is turned off.
- Set the 75Ω / Hi-Z selection switch. If it is an intermediate device, switch it to Hi-Z and if it is final device, switch it to 75Ω. (Please refer to the Monitor Manual.)



Connection to Power

- Connect the adapter to the power input connector as shown in the figure below. Use a DC 12V. (The Adapter is not provided with the Dome Camera.)



MINI DOME CAMERA2 USERS MANUAL

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If you have trouble operating your camera, refer to the following. If the guidelines do not enable you to solve the problem, contact an authorized technician.

The image on the screen is dim.

- Check if the lens are stained. If dirty, clean the lens with soft, clean cloth.
- The image is dimmer at night than daytime. If the focus is not right, adjust it at daytime.

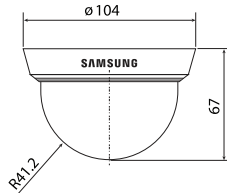
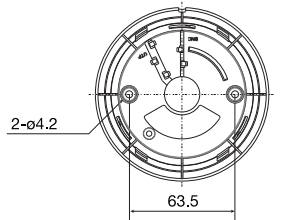
The contrast on the screen is too weak.

- Adjust the contrast feature of the monitor.
- If the camera is exposed under too strong light, change the camera position.
- Adjust the lens BACK FOCUS again.

The camera is not work properly, and the surface of the camera case is hot.

- Check that you have connected the camera to a proper power (DC 12V)

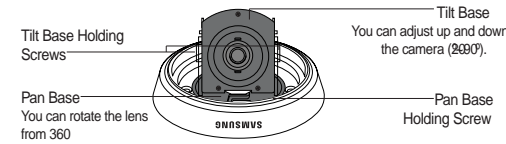
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MINI DOME CAMERA3 USERS MANUAL

Panning & Tilting Control

You can adjust the Panning and Tilting angle freely. (Panning angle: 360° angle: 20-90°)



- Adjustment Panning angle: After attaching the dome camera to a ceiling, adjust the panning angle for better monitoring area by rotating the Pan Base. The panning angle can be adjusted 360°.
- Adjustment Tilting angle: After attaching the dome camera to a ceiling, adjust the tilting angle for better monitoring area by rotating the Tilt Base. The tilting angle can be adjusted to 20-90° freely. (based the ceiling surface)

Notes

SHARPNESS ON: The outline of the video image becomes cleaner and more distinctive.

LENS SHADE ON: It helps correct shading of Lens.

MINI DOME CAMERA0 USERS MANUAL

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ITEM	SID-53(W/N)	SID-53(W/P)	SID-56(W/N)	SID-56(W/P)	
Power Source	DC 12V±10%/Max. 1.8W				
CCD	Sensor 1/3 inch, Sony Super HAD CCD				
	Total Pixels 811(H) x 508(V) 795(H) x 596(V) 811(H) x 508(V) 795(H) x 596(V)				
	Effective Pixels 768(H) x 494(V) 752(H) x 582(V) 768(H) x 494(V) 752(H) x 582(V)				
Sync.	Scanning System 2:1 Interlace				
	Synchronization Internal Only				
Frequency	15.734 KHz	15.625 KHz	15.734 KHz	15.625 KHz	
	59.94 Hz	50.00 Hz	59.94 Hz	50.00 Hz	
ELECTRICAL	Resolution 580 TV Lines(Min.)				
	S/N(Y signal) 52 dB (AGC Off, Weight ON)				
	Video Output 1.0Vp-p/75 (Video 0.714Vp-p Sync 0.286Vp-p)				
	Min. Illumination 0.04 Lux/F1.2(Sens-up)				
	BACKLIGHT OFF / BLC / HLC				
	Auto Functions	Electronic shutter speed			AUTO
		WHITE BALANCE			AUTO
		Gain Control			AUTO
		SENS-UP			AUTO
		SSNR(Noise Control)			AUTO
SHARPNESS			AUTO		
Lens(Built-in)		Fixed Lens f=3.0mm, F2.0	Fixed Lens f=6.0mm, F2.5		
Monitoring Angle	Pan	Manual 360°			
	Tilt	Manual 20° - 90°			
Operating temperature/Humidity		-10°C to +50°C / 30% to 80% RH			
Storing temperature / Humidity		-20°C to +60°C / 30% to 90% RH			
Dimension		ø104 x 67mm(H)			
Weight		180g			

* SID-53WN, SID-56WP, SID-53WP, SID-56WP : Ivory color base model.

MINI DOME CAMERA4 USERS MANUAL

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Built-in functions of the SID-53, SID-56 Camera include the following

Auto Functions	Setting	Descriptions
Electronic Shutter Speed	ESC	The shutter is controlled according to the brightness of screen by automatically.
WHITE BALANCE	ATW	It can be used within the color temperature range 1,800K-10,500K.
BACKLIGHT	OFF	It helps view a desired area of picture at the backlight condition.
GAIN CONTROL	HIGH	The gain increases or decreases within the range of 6dB-34dB
SSNR (Noise Reduction)	ON	There is sufficient reduction in noise levels without causing much ghost imaging.
SENS-UP	AUTO	It helps maintain a bright, clear screen image by automatically detecting changes in the level in low light levels without causing much ghost imaging.
SHARPNESS	ON	The outline of the video image becomes cleaner and more distinctive.
LENS SHADE	ON	It helps correct shading of Lens.

* It needs control KEY to change OSD menu, please contact our customer service if you need to control OSD menu.

MINI DOME CAMERA1 USERS MANUAL

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Application of Council Directive(s)	89 / 336 / EEC	
Manufacturer's Name	SAMSUNGTECHWIN CO., LTD	
Manufacturer's Address	SAMSUNGTECHWIN CO., LTD 42, SUNGJU-DONG CHANGWON-CITY, KYUNGNAM, KOREA, 641-120	
European Representative Name		
European Representative Address	MINI DOME CAMERA	
Equipment Type/Environment	SID-53/56	
Model Name		
Beginning Serial NO.	S6300001	
Year of Manufacture	2009. 01. 01	
Conformance to	EN 50081-1 : 1992 EMC-Directive 89/336 EEC and 92/31/EEC EN 50130-4 : 1996	

We, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s).

Manufacturer	SAMSUNGTECHWIN CO., LTD	Legal Representative in Europe
Signature	Han Seug Kim	Signature
Full Name	HAN SEUG KIM	Full Name
Position	QUALITY CONTROL MANAGER	Position
Place	CHANGWON, KOREA	Place
Date	2009. 01. 01	Date

MINI DOME CAMERA5 USERS MANUAL