



VARIFOCAL DOME CAMERA

INSTRUCTION MANUAL

SVF-129, 130E/C SVF-229, 230N/P

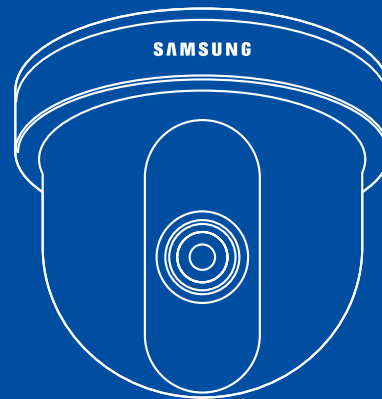


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SAMSUNG CCTV DOME CAMERA

INFORMATION

Thank you for purchasing a SAMSUNG Vari-focal Dome Camera. Before operating the camera, confirm the camera model that you bought. In order that you can understand this manual thoroughly, we'll introduce our model description.

Model	B/W Vari-focal Dome Camera		Color Vari-focal Dome Camera	
	Manual Iris	Auto Iris	Manual Iris	Auto Iris
	SVF-129E	SVF-130E	SVF-229N	SVF-230N
SVF-129C	SVF-130C	SVF-229P	SVF-230P	

CAUTION

To prevent electric shock and risk of fire hazards:

- Do NOT remove cover(or black), no user serviceable parts insides.
- Do NOT use other than specified power source.
- Do NOT expose this appliance to rain or moisture.

FEATURES

- **Manual & Auto Iris Vari-focal Lens**

Focal length is 4.0 - 9.0mm.

- **Fine Picture Condition under Very Low Illumination**

1/3" high density CCD and digital processor permit high quality pictures to be captured in very low light condition.

- **Automatic Backlight Compensation**

The backlight compensation allows the camera to find the best picture conditions in any environment and automatically gives a necessary light level compensation, so that you can always obtain the clear picture, the finest detail and perfect light contrast.

- **High Resolution**

The horizontal resolution of 420(B/W) / 350(Color)TV lines can be achieved by using a high density CCD having effective 270,000 / 320,000 pixels, which provides clean, noiseless and reliable pictures.

- **Built-in Flickerless**

In the high illumination, built-in flickerless prevents the flickering malfunction.

- **Black & Ivory Housing**

- **Compact Size**

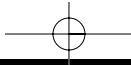
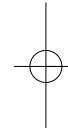
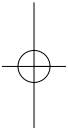
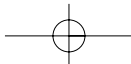


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- **Do not install the camera in extreme temperature conditions.**
Do use the camera under conditions where temperatures are within -10°C to 50°C (14°F to 122°F).
- **Do not install the camera under unstable lighting conditions.**
Severe lighting change or flicker can cause the camera to work improperly.
- **Do not install or use the camera in an environment where the humidity is high.**
It can cause the image quality to be poor.
- **Do not disassemble the camera.**
There are no user-serviceable parts inside it.
- **Do not expose the camera to rain or spill beverage on it.**
If it gets wet, wipe it dry immediately. Liquids can contain minerals that corrode the electronic components.
- **Do not touch the lens window of the camera.**
Be careful not to be stained by fingerprint.
- **Never keep the camera face to strong light directly.**
It can damage the CCD.



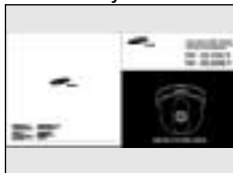
2. CONFIRMATION OF CONTENTS



The body of Camera



BNC & DC Jack



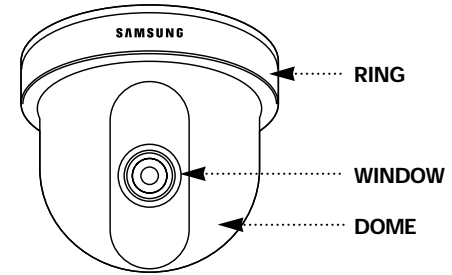
Instruction Manual



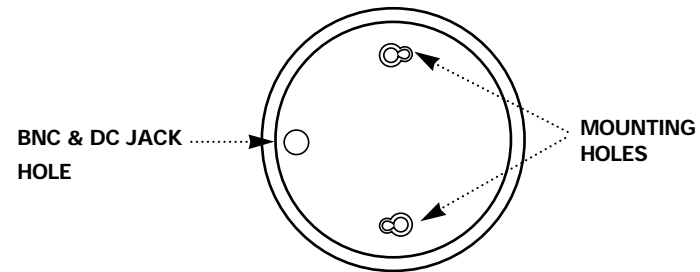
Screws

3. TITLE OF EACH PARTS

The front of camera



The back of camera



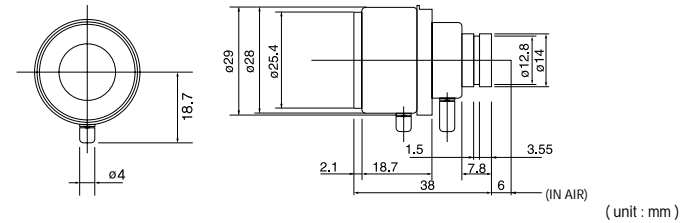
4. SPECIFICATIONS

Model	B / W		COLOR	
	Manual Iris	Auto Iris	Manual Iris	Auto Iris
	SVF - 129E	SVF - 130E	SVF - 229N	SVF - 230N
	SVF - 129C	SVF - 130C	SVF - 229P	SVF - 230P
Pick-up Device	1/3" CCD		1/3" CCD	
Resolution	420 TV Lines		350 TV Lines	
S/N Ratio	50dB (AGC off)		48dB (AGC off)	
Flickerless	Selectable		Selectable	
Video Output	1.0 V _{p-p} Comp.		1.0 V _{p-p} Comp.	
Lens	f = 4.0 ~ 9.0 mm		f = 4.0 ~ 9.0 mm	
Operating Temp.	-10 °C ~ + 50 °C (14°F ~ 122°F)		-10 °C ~ + 50 °C (14°F ~ 122°F)	
Humidity	30 % ~ 90 %		30 % ~ 90 %	
Power Consumption	DC 12 V Max. 130mA	DC 12 V Max. 150mA	DC 12 V Max. 230mA	DC 12 V Max. 250mA
Dimension (mm)	120 (W) x 95 (H)		120 (W) x 95 (H)	
Weight (g)	250	260	255	265

Manual Iris Lens

FOCAL LENGTH		4.0 ~ 9.0 mm
OPERATION	IRIS	F1.6 ~ 2.4
	FOCUS	Manual (50cm ~ ∞)
	ZOOM	Manual
ANGLE OF VIEW	D	92.6° ~ 39.4°
	H	71.0° ~ 31.6°
	V	51.8° ~ 23.6°

Dimensions

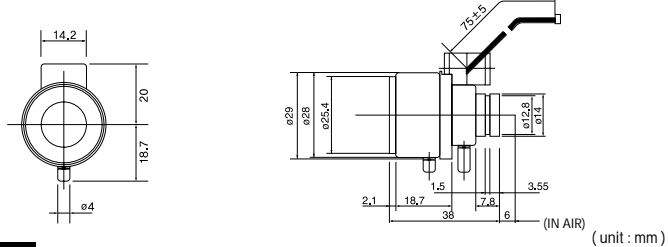


5. INSTALLATION & ADJUSTMENT

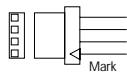
Auto Iris Lens

FOCAL LENGTH		4.0 ~ 9.0 mm
OPERATION	IRIS	Auto (F1.6 ~ 200)
	FOCUS	Manual (50cm ~ ∞)
	ZOOM	Manual
ANGLE OF VIEW	D	92.6° ~ 39.4°
	H	71.0° ~ 31.6°
	V	51.8° ~ 23.6°
COIL	DRIVE	190 Ω
	CONTROL	855Ω

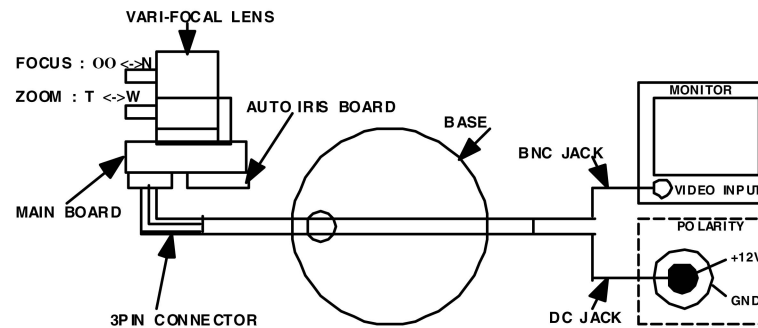
Dimensions



Wiring Diagram



BROWN	DRIVE (+)
RED	DRIVE (-)
ORANGE	CONTROL (-)
YELLOW	CONTROL (+)



- Drive screws(68.6mm interval, 2EA) into the ceiling or the wall.
- Connect the power cable of the camera by using the suitable adaptor.
- Connect the video cable to input terminal in the monitor.
- Fixing the body of the camera, by turning it left after putting the screws in the camera.
- Adjust photographic direction of camera after opening the camera.

6. TROUBLE SHOOTING

- **Nothing appears on the screen.**

Check that the power cord and line connection between the camera and monitor are made properly.

- **The image on the screen is dim.**

Check if the lens are stained. If dirty, clean the lens with soft and clean cloth.

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

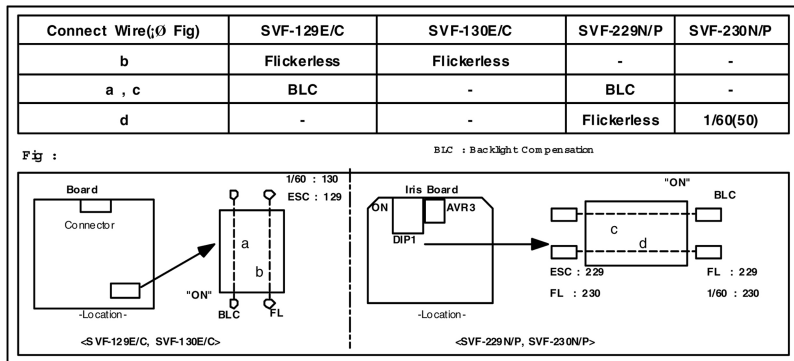
Check that you have connected the camera to a proper power.

- **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.

How to set up the Flickerless and BLC (ON MODE)



- **The image on the screen flickers.**

Does the camera face to directly to the sun or fluorescent lighting?

Change the camera position.

- **Blooming or smearing turns up.**

Open the dome cover and turn variable resistor(B/W : fix, Color : VR1)

toward counterclockwise in the main board until the blooming or the smearing is disappeared.

- **OFD(Overflow Distortion) turns up.**

Open the dome cover and turn variable resistor(B/W : fix, Color : VR1)

toward clockwise in the main board until the OFD is disappeared.

- **The brightness is too bright or dark. (MODEL : SVF-130E/C, SVF-230N/P)**

Adjust the variable resistor(VR3) of auto iris board toward clockwise or counterclockwise.