



SCC-B5300(G)(P)
SCC-B5301(G)(P)
SCC-B5303(G)(P)
SCC-B5305(G)(P)

Digital Color Dome Camera
User Guide



Caméra de dôme colorée digitale
Manuel de l'utilisateur



Digitale Farb-Kuppelkamera
Benutzerhandbuch



Cámara Digital de Bóveda del Color
Guía del usuario



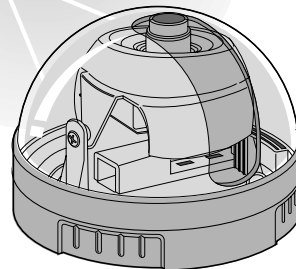
Ditale Colore Dome Camera
Manuale d'uso



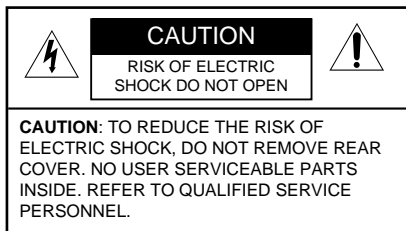
Цифровая цветная купольная
видеокамера



Руководство пользователя



Printed In Korea
AB68-00439A(01)



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.



To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions.

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference that may cause undesired operation.

CAUTION:

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.

Dispose of used batteries according to the manufacturer's instructions.

1. Read these instructions.
 2. Keep these instructions.
 3. Heed all warnings.
 4. Follow all instructions.
 5. Do not use this apparatus near water.
 6. Clean only with dry cloth.
 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
 8. Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 10. Protect the power cord from being from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 11. Only use attachments/accessories specified by the manufacturer.
 12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a used, caution when moving the cart/apparatus combination to avoid injury from tip-over.
 13. Unplug this apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or been dropped.
- ✿ Avoid aiming the camera directly towards extremely bright objects such as the sun, as this may damage the CCD image sensor.

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1. Overview

CCTV COLOR DOME CAMERA are the monitoring cameras incorporated with the recent CCD that provides the best monitoring function in connection with the CCTV system equipment.

■ Number of CCD pixels

- SCC-B5300(G) : 270,000 pixels
- SCC-B5300(G)P : 320,000 pixels
- SCC-B5301(G)/SCC-B5303(G)/SCC-B5305(G) : 410,000 pixels
- SCC-B5301(G)P/SCC-B5303(G)P/SCC-B5305(G)P : 470,000 pixels

■ Power supply

- DC 12V/AC 24V

■ Automatic function and special function

- ATW
- BLC
- AGC
- ELC(Electronic shutter iris)

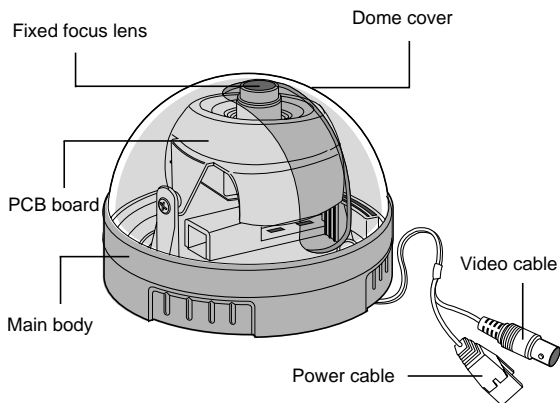
※ **COLOR ROLLING** may occur when you use this camera in a mechanical fluorescent light which is equipped with Manual IRIS and is set to ELC mode in the ALC/ELC mode setting menu. In that case, input AC power. (Auto changing Linklock Mode) (NTSC : 60HZ PAL : 50HZ)

※ If you want to use Internal mode instead of Line Lock mode, apply DC power. Internal mode provides better picture quality than Line Lock mode.

⇒ **COLOR ROLLING** is the problem that color on the monitor screen changes non-periodically. This happens when White Balance is not fixed, because a mechanical fluorescent light flickers when it's cycle is the same to the cycle of the power frequency.



2. Component Name



3. Function of Each Component

■ Fixed focus lens

- Fixed focus lens installed on the camera.
Please take cautions that any dust or foreign matter gathers on the front glass surface of the lens.

E

■ Main body

- A body that supports the camera.

■ PCB board

- This part is quite important since it performs the camera function. Please handle with care.

■ Power cable

- The terminal that is connected to the power (adaptor) cable. Connect to DC 12V/AC 24V.

■ Video signal output cable

- The cable that sends the video signal.

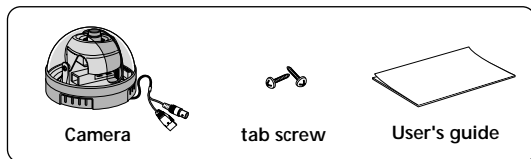
■ Dome cover

- The transparent plastic cover that protects the camera.
Be careful not to make a scratch on it.

4. Installation

■ Check what is inside the package

- Check to see if the following parts are included in the purchased package.

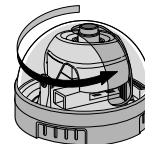


■ Notes on installation and usage

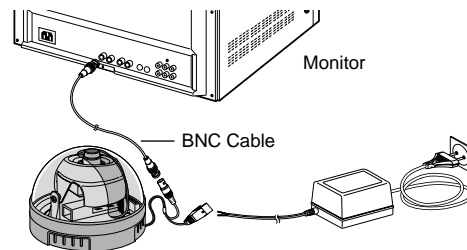
1. Users should not disassemble the camera from the front direction.
2. Always handle the camera with care. Please do not apply a shock or vibration as much as possible and take cautions not to cause damage or make a scratch on the camera due to careless storage.
3. Please do not install the camera with the rainy place or highly humid areas. And do not operate the camera in the wet place.
4. Do not clean the camera body with the strong abrasives or soaps. When the camera becomes dirty, clean it with the dry rags. Especially, make sure to use the dedicated rags for lens to clean the dome cover.
5. Please keep the camera at the cool area that is not exposed to the direct sunlight. If you do, it can cause bad effects on the product.

■ Cable connection

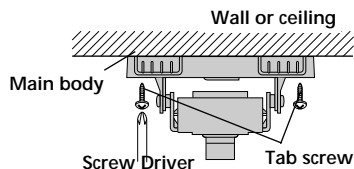
1. Hold the camera body with one hand and turn the dome cover counterclockwise with other hand in order to disassemble it.



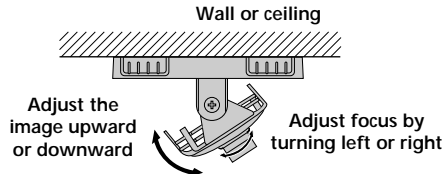
2. Connect the BNC cable to the video cable connector attached on the dome camera, and connect the remained BNC cable to the video input terminal of the monitor.
3. Connect the power adaptor at this time. Connect the DC 12V/AC 24V power cable of the connector to the power cable connection that is attached on the dome camera.



4. Attach the camera on the target location with the screw driver using the provided tab screw.



5. Set the proper image by moving the camera body (PCB board) inside the dome camera upward or downward and set the focus by turning the lens to the left or right direction.



6. Assemble the dome cover by turning it clockwise.

NOTE

Please make sure that any foreign matter gathers on the lens cover when assembling or disassembling the dome cover.

5. Specifications

Item	Details
Broadcasting system	SCC-B5300(G)/B5301(G)/B5303(G)/B5305(G) : NTSC STANDARD SCC-B5300(G)/B5301(G)/B5303(G)/B5305(G)P : PAL STANDARD
Pick-up device	1/3" SUPER HAD IT CCD
Number of effective pixel	SCC-B5300(G) : 510(H) x 492(V) SCC-B5301(G)/B5303(G)/B5305(G) : 768(H) x 494(V) SCC-B5300(G)P : 500(H) x 582(V) SCC-B5301(G)P/B5303(G)P/B5305(G)P : 752(H) x 582(V)
Synchronization	Internal/Linelock (Auto control for using DC/AC power)
Resolution	SCC-B5300(G)(P) : 330 TV Lines (H) 350 TV Lines (V) SCC-B5301(G)(P)/B5303(G)(P)/B5305(G)(P) : 480 TV Lines (H) 350 TV Lines (V)
Video output	VBS 1.0Vp-p(75 Ω composite)
S/N ratio	50dB
Min. illumination	SCC-B5300(G)(P) : 0.3Lux SCC-B5301(G)(P)/B5303(G)(P)/B5305(G)(P) : 0.5Lux
Electronic Shutter Speed	Max 1/100k sec
Lens (focal length)	SCC-B5300(G)(P)/B5301(G)(P) : f=3.8mm SCC-B5303(G)(P) : f=2.9mm SCC-B5305(G)(P) : f=8mm
Gamma correction	0.45
Body Color	SCC-B530X(P) : Black SCC-B530XG(P) : Grey
In/out connector	Signal output: BNC, Power input : 2P-Jack
Operating temperature	-10~+50°C
Power source	DC 12V +10%, -5%, AC 24V ±10% (NTSC : 60Hz ±0.3Hz, PAL 50Hz ±0.3Hz)
Power consumption	3 W
Size	100(φ) x 67(H)mm
Weight	180g