

# Instruction Manual

## Digital Colour IR Camera

### SCI 535HV

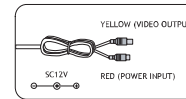
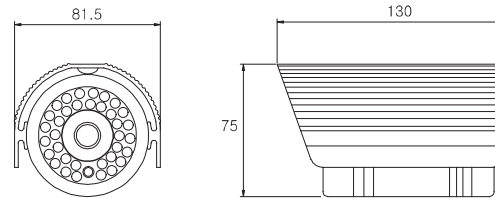


## DIGITAL COLOUR VARIFOCAL IR LED CAMERA

# SCI535HV

### CAUTION

- Do not open or strike this equipment. Sensitive electronics inside are vulnerable to excessive shock.
- Do not install the equipment near any naked flames or heat sources. Excessive heat could damage this unit.
- Do not cover cloth or to install this unit in poorly ventilated places. This may lead to overheating.
- Do not continue to operate if there appears to be fault.  
If the unit ceases to function, contact qualified service personnel for help.
- Do not touch the power connection with wet hands. Risk of short circuit or electric shock.
- Do not damage the power cord or leave it under pressure. Risk of fire or shock circuit.



### FEATURE

**1/3" COLOUR SONY SUPER HAD  
HIGH RESOLUTION (68Φ, 36LEDs)**

- 550TV Line
- Minimum Illumination : 0.1Lux (f:1.2)
- Auto White Balance
- Automatic Gain Control
- Dimension(mm) : 68Φ, 36LEDs
- Power Source : DC12V (±10%)
- DC IRIS Vari-Focal Lens Type

SPECIFICATION	SCI535HV (NTSC)	SCI535HV (PAL)
Image Device	1/3" Colour SONY Super HAD CCD	
Picture Elements	768(H)×494(V)	752(H)×582(V)
Scanning System	525 Lines, 2:1 Interlace	625 Lines, 2:1 Interlace
Sync System	Internal Synchronization	
Horizontal Resolution	550 TV Line	
Video Output	1Vp-p 75Ω	
S/N Ratio	More Than 50dB (AGC Off)	
Gamma Characteristic	0.45	
Gain Control	4dB - 30dB Auto	
White Balance	Auto 2100°K - 9100°K (Push Lock)	
Electronic Shutter	1/60-1/100,000sec (Auto)	1/50-1/100,000sec (Auto)
LENS	Auto Iris 4mm-9mm Varifocal lens	
Smear Effect	0.005%	
Minimum Illumination	0.1Lux (f:1.2)	
Power Consumption	12V ±10% DC, 400mA (IR ON)	
Operation Temperature	10 °C - +50 °C, RH95% Max (14°F-122°F)	
Storage Temperature	20 °C - +60 °C, RH95% Max	
Weight	Approx g	
Housing	ALUMINUM	
Dimension(mm)	68Φ, 36LEDs	
Cable(option)	Standard 1000mm BNC/DC Jack	



# OWNER'S MANUAL

## How to use Bullet camera SCI535HV



\*\* Before installing or adjusting please read installation guide that accompany with this product. Failure to follow warning notices and instructions may result in property damage. Improper installation and/or operation will void the warranty.

### Before Using or Installing

Please do not make any attempt to disassemble the camera.  
To avoid any electrical shock, Please do not remove camera cover & screw.  
Please consult with Installation specialist since there is no user execution.  
Please do not use strong chemicals or detergent.  
Use dry towel to wipe off the camera, to clean off the stain use weak Cleaning detergent.  
Before operation please check the temperature, humidity, and level of the power.  
Please operate camera between temperature levels of -10°C ~ 50°C.  
Please do not disclose the camera, if there is lot of smoke or gas.  
Please do not disclose the camera under direct sunlight.  
Do not aim camera directly at bright object.  
By doing so, this action will cause blooming or smear.  
Please handle camera with care.  
Do not put camera near fire, as this may cause fire.  
Please do not hit, or shake the camera.  
This could cause camera to malfunction.  
Improper care or use of the camera could damage the camera.  
Please do not make children handle or operate camera. It may cause children's accidents or camera's malfunction.

### How to Use & Installations & Warnings

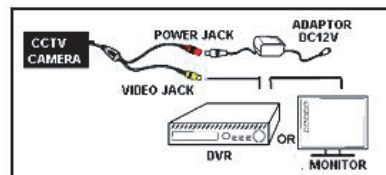
Use of DC12V. ( Please use Adapter 500mA for DC12V).  
Please use dry towel to clean camera instead of the abrasive.  
(This could bring low quality screen view of camera)  
Please do not misplace the camera. And prevent any malfunction.  
Please do not use camera in humid or wet area.  
Do not disclose camera to direct sunlight  
Do not expose camera to massive electric wave.  
Do not install camera location with lot of vibration.  
Do not install product near very high temperature or very low temperature area. (Please refer to our operation manual on operation temperature & storage temperature)  
Do not attempt to open dome cover after installation and image adjustment

### Production composition & Parts Names



### Installation & connection

1) Locate installation area. Select area where it holds camera's weight for long time.  
2) Please note the front direction shall be headed toward the surveillance area. As the bracket is 2 axis adjustable, fix bracket with its station screws to consider the surveillance area.  
3) It's a varifocal lens 4~9mm. You can open the back cap and pull the inside compounds. Then you can adjust W(wide) > T(Tele) & N(Near) > ∞(Far) to turn to the arrow indication around the lens. After focusing, please close the dome cover.  
4) Connect power jack(Red cable) with DC12V and Video jack(yellow) to monitor or to DVR whichever is available  
5) IR LEDs turns on automatically at low illumination. As well, the color changes to Black/White



### Trouble Shooting

**If you are not able to view anything from the screen.**  
Check power, video, strength of signal.  
Check monitor input/output.  
Check camera connection number with monitor.  
**For Fuzzy Screen**  
Check camera lens for dust or dirt. If so wipe them off with dry towel or brush.  
Check cover to see if it's clean. If so wipe them off with dry towel or brush.  
Check for direct sunlight exposure towards camera.  
Check if protection film from camera cover is removed  
**For Dark Screen**  
Check for Monitor Brightness.  
**Unbalanced Black & White on the Monitor.**  
-Check Monitor  
-Adjust the cameras position or angle of lens when screen is bright  
**If problem still remains please contact our Technical Support Department.**

# OWNER'S MANUAL

## How to use CCTV camera



This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance(servicing) instruction in the literature accompanying the product.

**FCC WARNING :** This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.  
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

A suitable conduit entries, knock-outs or glands shall be provided in the cable entries of this product in the end user.

Caution: Danger of explosion if battery is incorrectly replaced. Replaced only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

Holes in metal, through which insulated wires pass, shall have smooth well rounded surfaces or shall be provided with bushings.

**WARNING :** Do not install this equipment in a confined space such as a bookcase or similar unit.  
**WARNING :** Wiring methods shall be in accordance with the National Electric Code, ANSI/NFPA 70

**WARNING :** This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

**WARNING :** To reduce a risk of fire or electric shock, do not expose this product to rain or moisture  
**Caution :** This installation should be made by a qualified service person and should conform to all local codes.

**Caution :** To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

**Caution :** The apparatus should not be exposed to water(dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.

### Disposal of your old appliance

- When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
- All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
- The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
- For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

**CE** This product is manufactured to comply with the EMC DIRECTIVE 2004/108/EC and 2006/95/EC.

To disconnect power from the mains, pull out the mains cord plug. When install the product, ensure that the plug is easily accessible.

### Important Safety Instructions

- Read these instructions. - All These safety and operating instructions should be read before the product is operated.
- Keep these instructions. - The safety, operating and use instructions should be retained for future reference.
- Heed all warnings. - All warnings on the product and in the operating instructions should be adhered to.

4. Follow all instructions. - All operating and use instructions should be followed.

5. Do not use this apparatus near water. - For example: near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement; near a swimming pool; etc.

6. Clean only with dry cloth. - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. - Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product, and to protect it from overheating. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer's instructions have been adhered to.

8. Do not install near any heat sources such as radiators, heat registers, stoves, 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 does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord 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 the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lightning storms or when unused for long periods of time.

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 has been dropped.

