

# Owner's Manual



## MODEL RECLP0409-1

Please read this manual carefully before operating.  
Please Keep it for future reference.

### Important Safety Instructions

1. **Read these instructions** – All these safety and operating instructions should be read before the product is operated.
2. **Keep these instructions** – The safety operating and use instructions should be retained for future reference.
3. **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, a web 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 cleanings.
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 over-heating. 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 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 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 the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with 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.**
15. **CAUTION – THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.**



### Disposal of your old appliance



1. 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.
2. 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.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. 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.



This product is manufactured to comply with the EMC DIRECTIVE 2004/108/EC

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



**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**



**CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



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) instructions 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

#### Regulatory Notices For U.S.A

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 brushings.

**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.

### CAUTIONS FOR SAFE OPERATION - POWER SUPPLY

This camera must be operated at DC12V Certified / Listed, Class 2 Power supply.

## SPECIFICATIONS

### FEATURE

- \* 1/3" COLOR SONY SUPER HAD II CCD
- \* HIGH RESOLUTION 700TVL
- \* DAY & NIGHT AUTO CHANGE
- \* 4.0~9mm MANUAL VARIFOCAL LENS
- \* POWER SOURCE : DC 12V, 140mA
- \* MIN. ILLUMINATION : 0.005 Lux (F:1.2)
- \* IP66 Ingress Rating

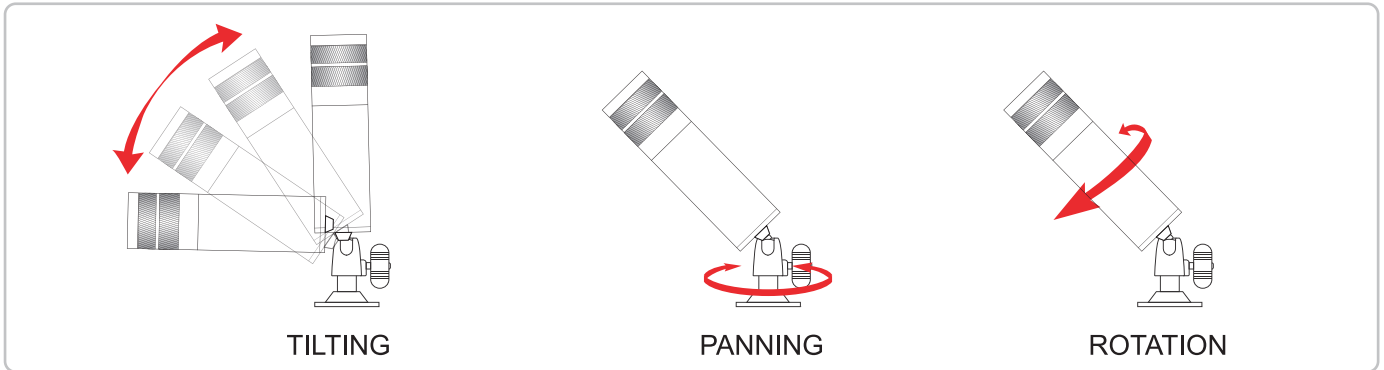
MODEL	RECLP0409-1 (NTSC)	RECLP0409-1 (PAL)
<b>ELECTRICAL</b>		
Input Voltage	DC12V ±10%	
Power Consumption	DC12V, 140mA	
Power Connector	DC JACK	
<b>VIDEO</b>		
Image Device	1/3" Sony EXVIEW-HAD II 960H CCD	
TOTAL Pixel	1020(H)x508(V)	1020(H)x596(V)
Effective Pixels	976(H)x494(V)	976(H)x582(V)
Scanning System	2:1 INTERLACE	
Sync System	Internal	
Scanning Freq.	15.734KHz(H),59.95Hz(V)	15.625KHz(H),50Hz(V)
Horizontal Resolution	700TVL	
Mn.illumination	0.005Lux @ F1.2 50IRE	
S/N (Y signal)	More than 50dB	
Video Output	CVBS 1.0Vp-p, 75Ω	
<b>LENS</b>		
Focal Length	4-9mm	
Lens Type	Vari Focal	
Mount Type	Board Type	
<b>OPERATIONAL</b>		
Image Enhancement	<b>ATR-Lite</b>	
Day & Night	Digital D&N	
White Balance	ATW	
Electronic Shutter Speed	AUTO : ~100,000	
Dynamic Noise Reduction	2D	
<b>ENVIRONMENTAL</b>		
Operating Temperature	-10 °C ~ +50 °C	
Operating Humidity	20 ~ 80% RH	
Storage Temperature	-20 °C ~ +60 °C	
Storage Humidity	20 ~ 90% RH	
Ingress Protection	IP66	
IR LEDs	-	
<b>MECHANICAL</b>		
Dimension ( WxHxD )	26p x 97(H) mm (without Bracket)	
Weight	Approx. 180g	
Approvals	FCC (Class A) Listed	CE(Class A) Listed

## INSTALLATION and CONNECTION

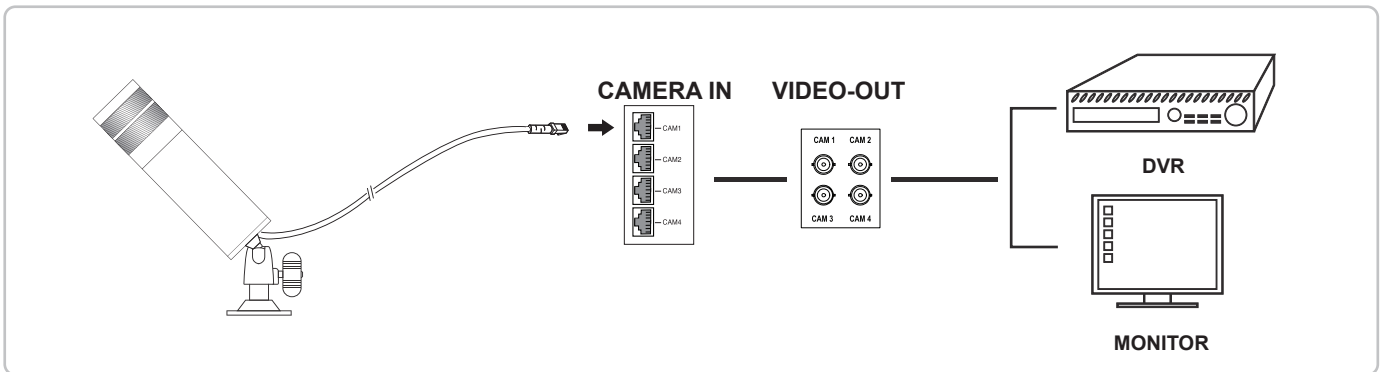
### Installing the camera

1. Affix station Bracket on the wall or any place where you want.
2. With the supplied tapping screws, you can fix the bracket.
3. Adjust the camera lens to face the area to be monitored and fix it with the butterfly shape handle on the bracket.

\* You can adjust the angle of this camera to move it as follows. (3 AXIS AVAILABLE)



### Connection



Connect the RJ12 cable of the camera to the RJ12 socket on the back of the DVR.

After positioning your monitor or/and DVR, connect the monitor to the DVR through the video-out BNC Terminal on the back panel of the DVR

If you need to extend the cable length, you can use an RJ12 extension coupler & a desired RJ12 extension cable.

### LENS FOCUS ADJUSTMENT

To use lens adjustable lever, you can adjust zoom & focus as you desire.

