

Thank you for purchasing TOA's Heater unit.  
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

**1. SAFETY PRECAUTIONS**

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.
- We also recommend you keep this instruction manual handy for future reference.

**WARNING** Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.

**CAUTION** Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

- Avoid touching the unit's sharp metal edge to prevent injury.
- When attaching or detaching the unit, be sure to switch off the camera's power and heater's power. Failure to do so may cause a burn or personal injury.
- Leave the installation of the unit to your TOA dealer because the installation requires expert experience and skills. The unit may fall off if incorrectly installed, resulting in possible personal injury.
- Have the unit checked periodically by the shop from where it was purchased. Failure to do so may result in corrosion or damage to the unit that could cause the unit to fall, possibly causing personal injury.
- Switch off the power for safety purposes when cleaning or leaving the unit unused for 10 days or more. Doing otherwise may cause a fire or electric shock.

**2. GENERAL DESCRIPTION**

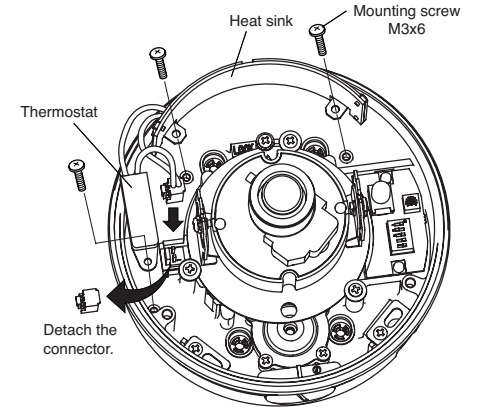
The C-A854H heater unit is designed to be used in conjunction with the 24V AC-type Vandal resistant day/night camera. Installing this heater unit inside the camera allows the camera to be used at low temperature environment as low as -30°C (-22°F). The heater turns on when internal temperature of the camera drops below approx. 10°C (50°F), and turns off when it rises.

**3. HANDLING PRECAUTIONS**

- Heater unit could be very hot. Do not touch the heater unit by hand directly while it is operating or just after its power has been turned off. Do not touch the heater unit for over 30 minutes after the heater's power has been turned off.
- When the ambient temperature of the camera is below -10°C (14°F), turn on the heater's power, then turn on the camera's power after internal temperature of the camera has risen.
- Condensation in the dome cover due to rapid temperature change, snow and ice on the dome cover cannot be removed.

**4. ATTACHING THE HEATER**

1. Detach the dome cover from the case.  
For details, refer to the instruction manual attached to the camera.
2. Detach the inner cover.  
For details, refer to the instruction manual attached to the camera.
3. Attach the thermostat and heat sink using the supplied mounting screws.
4. Detach the connector of the camera itself and insert the connector of the heater unit in place.



**5. SPECIFICATIONS**

Power Source	24V AC, 50/60 Hz
Power Consumption	15 W (630 mA)
Heater operating temperature	Turns on at under approx. 10°C (50°F)
Operating Temperature	-30°C to + 50°C (-22°F to 122°F)
Dimensions	103 (W) x 35 (H) x 29 (D) mm (4.0 (W) x 1.4 (H) x 1.1 (D) inch) (excluding connector and thermostat)
Weight	35 g (1.2 oz)
Option	Vandal Resistant Day/Night Camera: C-CV854D-3

**Note:** The design and specifications are subject to change without notice for improvement.

- **Accessories**  
Mounting screw M3 x 6 ..... 3