



## WV-SUD6FRL1

IR LED Unit

WV-SUD6FRL1 (Natural Silver)  
WV-SUD6FRL-H (Gray)  
WV-SUD6FRL-T (Brown)

# i-PRO WV-SUD6FRL-T Function Extension Kits Instruction Manual

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**i-PRO WV-SUD6FRL-T Function Extension Kits**



## Product Information

The product is an extension unit (IR LED unit) that can be attached to WV-SUD638 series network cameras. It is used to view images at night or in dark environments. The model number of the product is WV-SUD6FRL1. It is available in natural silver (WV-SUD6FRL1), gray (WV-SUD6FRL-H), and brown (WV-SUD6FRL-T) finishes. The product has the following specifications:

- **Ambient operating humidity:** 10% to 100%
- **IR LED irradiation distance:** 150 m (492.15 feet) when used in the tele field of view of the WV-SUD638
- **Dimensions:** Not specified
- **Mass:** Approx. 540 g (1.2 lbs)
- **Finish:** Unit (resin part) – High-strength resin

## Product Usage Instructions

Before attempting to connect or install the product, please read the following instructions carefully.

### Installation

1. **Step 1:** Remove the dummy cover from the camera body by unscrewing the fixing screws for the dummy cover.
2. **Step 2:** Connect the IR LED unit to the camera body by removing the protective tube from the connector and aligning the positioning hole on the IR LED unit side with the connector on the camera body. Make sure to follow the direction of the connector when connecting.
3. **Step 3:** Fixate the IR LED unit to the camera body ensuring that the O-ring on the camera side is not shifted or twisted during the installation. Use the recommended tightening torque of 1.6 Nm (1.18 lbfft). Align the positioning pin on the camera side with the positioning hole on the IR LED unit side.

**Note:** Refer installation work to the dealer as it requires technique and experience. Failure to observe this may cause fire, electric shock, injury, or damage to the product.

## **Precautions**

- Refer installation work to the dealer. Installation work requires technique and experience. Failure to observe this may cause fire, electric shock, injury, or damage to the product. Be sure to consult the dealer.
- Stop the operation immediately when something is wrong with this product. When smoke goes up from the product or the smell of smoke comes from the product, continued use will cause a fire. In this case, pull out the power plug immediately and contact qualified service personnel for service.

## **WARNING:**

- All work related to the installation of this product should be made by qualified service personnel or system installers.
- This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

## **CAUTION:**

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. B
- Before attempting to connect or operate this product, please read the label on the right side.

## **For Canada**

CAN ICES-3(A)/NMB-3(A)

## **For U.S.A.**

**NOTE:** 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.

**FCC Caution:** To assure continued compliance, (example – use only shielded inter-face cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

The model number and serial number of this product may be found on the surface of the unit.

You should note the model number and serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

- Model No.
- Serial No.

Caution, infrared radiation

## Standard accessories

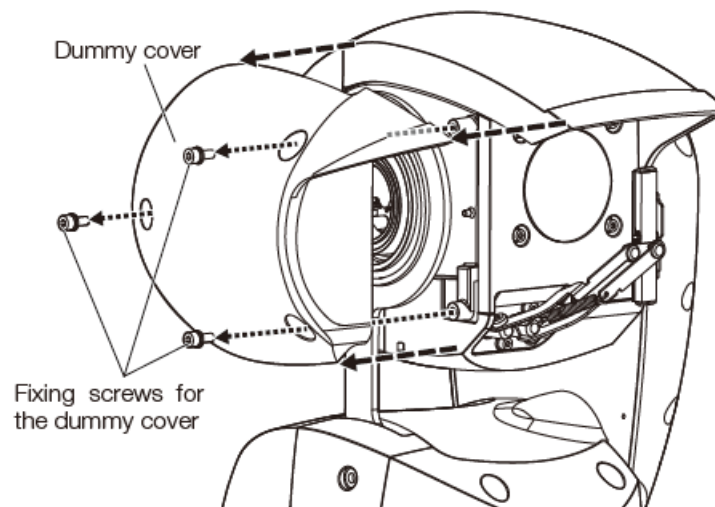
- Operating Instructions (this document) .....1 pc.
- Fixing screws for IR LED unit (M4 × 14 mm {9/16 inches}) .....3 pcs. (of them, 1 for spare)
- Fixing screws for IR LED unit (M4 × 40 mm {1-9/16 inches}).....2 pcs. (of them, 1 for spare)

## Installation

**NOTICE:** IR irradiated from this product. Use appropriate shielding or eye protection during operation.

### Step 1

Remove the dummy cover from the camera body.

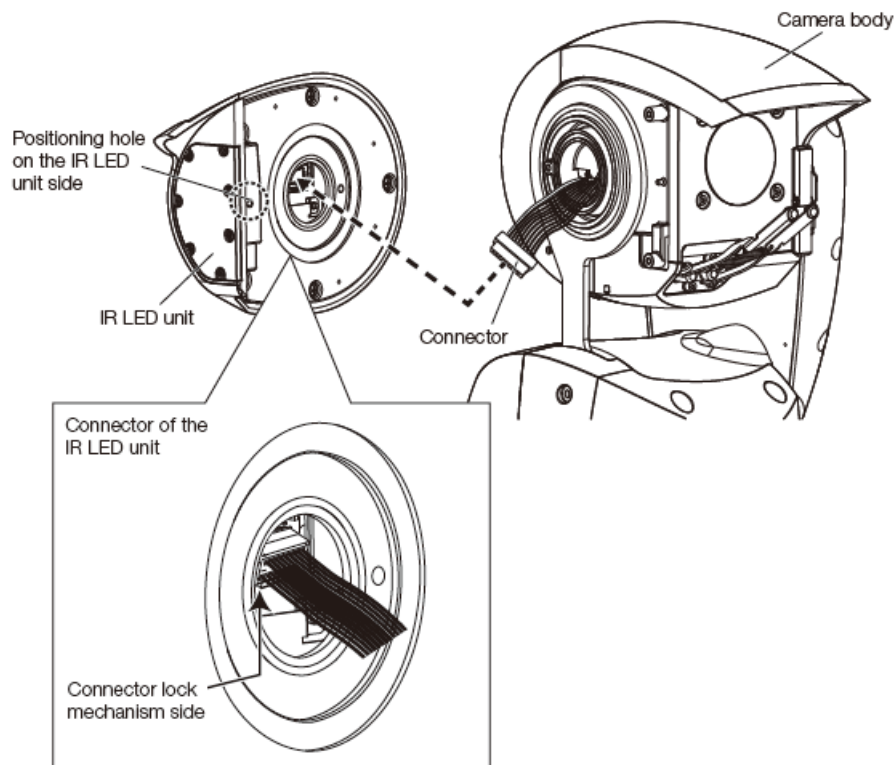


### Note:

- Please discard the dummy cover and the 3 fixing screws because they are not usable any more.
- After removing the dummy cover from the camera body, remove the protection cover attached to the IR LED unit canopy tip, and attach it in the same position on the dummy cover.

### Step 2

Connect the IR LED unit to the camera body.  
Remove the protective tube from the connector.

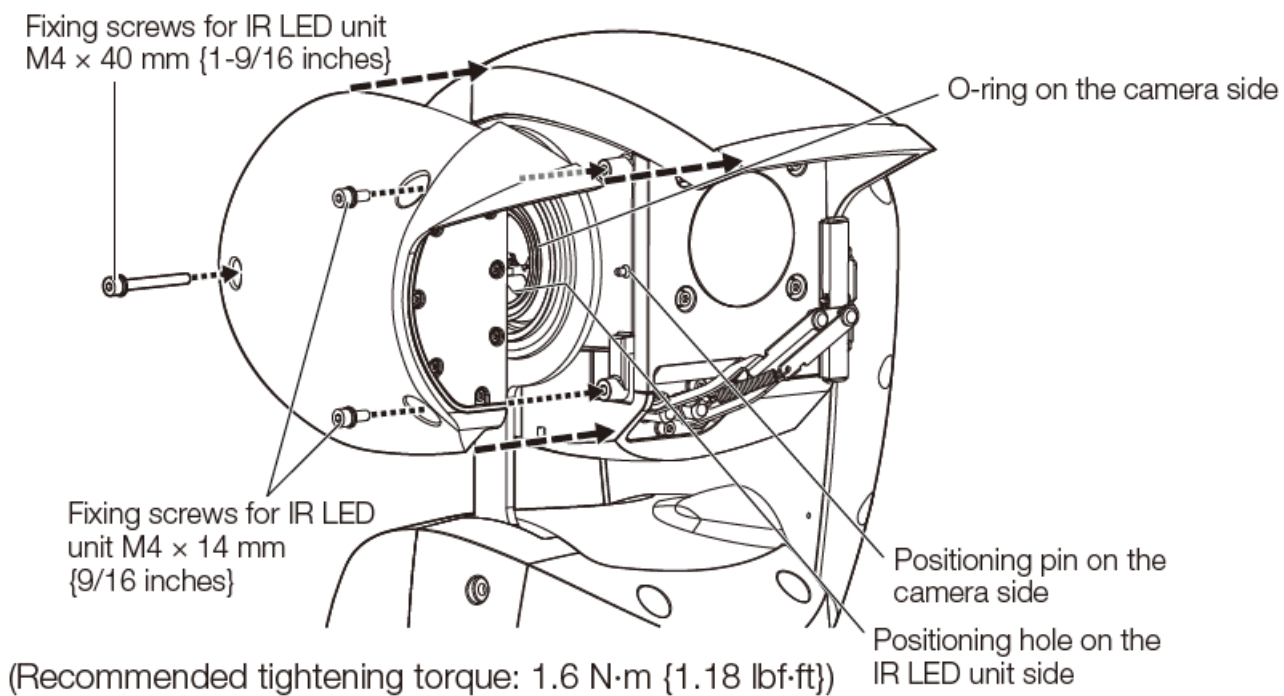


**Note:**

- Please pay attention to the direction of the connector when connecting.

**Step 3**

Fixate the IR LED unit to the camera body.



**Note:**

Make sure that the O- ring on the camera side is not shifted or twisted during the installation.

**Features**

This is the extension unit (IR LED unit) which can be attached to WV-SUD638 series network cameras. It is used view images at night or in dark environments. It will be referred to as IR LED unit from here on.

## Specifications

- Ambient operating temperature:  $-50^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   $\{-58^{\circ}\text{F}$  to  $131^{\circ}\text{F}\}$
- Ambient operating humidity: 10 % to 100 %
- IR LED irradiation distance: 150 m  $\{492.15\text{ feet}\}$

\* When the WV-SUD638 is used in the tele field of view.

- Dimensions: 55 mm (W)  $\times$  137 mm (H)  $\times$  211 mm (D)  $\{2\text{-}5/32\text{ inches (W)} \times 5\text{-}13/32\text{ inches (H)} \times 8\text{-}5/16\text{ inches (D)}\}$
- Mass: Approx. 540 g  $\{1.2\text{ lbs}\}$
- Finish: Unit (resin part): High-strength resin
- WV-SUD6FRL1: Natural silver
- WV-SUD6FRL-H: Gray (N7)
- WV-SUD6FRL-T: Brown (Environmental color)

## Disposal of Old Equipment

Only for European Union and countries with recycling systems This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation. By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment. For more information about collection and recycling, please contact your local municipality. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

## Precautions

Refer installation work to the dealer. Installation work requires technique and experience. Failure to observe this may cause fire, electric shock, injury, or damage to the product.

Be sure to consult the dealer.

Stop the operation immediately when something is wrong with this product. When smoke goes up from the product or the smell of smoke comes from the product, continued use will cause a fire.

In this case, pull out the power plug immediately and contact qualified service personnel for service.

The screws and bolts must be tightened to the specified torque.

Failure to observe this may cause a drop resulting in injury or accidents.

Correctly perform all wiring.

Short circuits in the wiring or incorrect wiring may cause fire or electrical shock.

Turn the power off when do wiring of this product.

Failure to observe this may cause electric shock. In addition, short circuit or wrong wiring may cause fire.

Do not insert any foreign objects. Fire or electrical shock may be caused if water or any foreign objects, such as metal objects, enter inside the unit.

Disconnect the power plug immediately and contact qualified service personnel for service.

Do not attempt to disassemble or modify this product.

Failure to observe this may cause fire or electric shock.

Consult the dealer for the repair or inspections.

## Step 4

Configure the settings of the IR LED and perform an operational check.

Refer to the camera's Installation Guide for the procedure of operating the camera to display the setting screen

from the “Live” page.

In the column of the setup menu on the left side of the screen, click the [Extension unit] button and set the [Front unit] tab items.

Setup items	Setup contents and defaults
Automatic detection	Control whether or not to auto detect the IR LED unit by selecting On/Off. <b>Default: On</b>
Additional function	Select an extension unit to use. This can only be done when “Automatic detection” is turned “Off”.

- When turning on the camera after the IR LED unit is installed, the IR LED unit will automatically be recognized and [IR LED] will be displayed in the [Additional function] settings.
  - Off” is displayed if the unit fails to correctly recognize the IR LED unit.  
Check again that the connectors of the IR LED unit and the camera are properly connected and turn on the camera again.

Click [Image adjust] in IR LED.



Configure the settings according to your operation preferences when the image quality adjustment screen is displayed (upper right screen shot). For more information, refer to the Operating Instructions of the camera.





## Note:

- When checking during the daytime, select “On” for “Day & Night(IR)”. After checking, return the setting to its original condition.
- When the IR LED is configured to be used, “Auto2(IR Light)” (uses the IR LED when it is dark) is automatically selected for “Day & Night(IR)” (method for switching between black and white images and color images) on the camera.
- When turning on or operating the cam-era after the IR LED unit is installed, the IR LED unit may make a sound, but it does not indicate a failure.
- When you zoom quickly after the IR LED unit is installed, the periphery of the screen may temporarily darken, but it does not indicate a failure of the camera or the IR LED unit.

Before attempting to connect or install this product, please read these instructions carefully and save this manual for future use.

The model number is abbreviated in some descriptions in this manual.

### For U.S. and Canada:

i-PRO Americas Inc.

<https://www.i-pro.com/>

### For Europe and other countries:

i-PRO Co., Ltd. Fukuoka, Japan

<https://www.i-pro.com/>

i-PRO EMEA B.V. UK Branch

1010 Cambourne Business Park, Cambridgeshire CB23 6DP

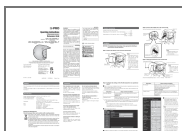
### Authorised Representative in EU:

i-PRO EMEA B.V.

Laarderhoogtweg 25, 1101 EB

Amsterdam, Netherlands

## Documents / Resources



**[i-PRO WV-SUD6FRL-T Function Extension Kits](#)** [pdf] Instruction Manual  
WV-SUD6FRL1, WV-SUD6FRL-H, WV-SUD6FRL-T, WV-SUD6FRL-T Function Extension Kits,  
WV-SUD6FRL-T, Function Extension Kits, Extension Kits, Kits

## References

-  [i-PRO](#)