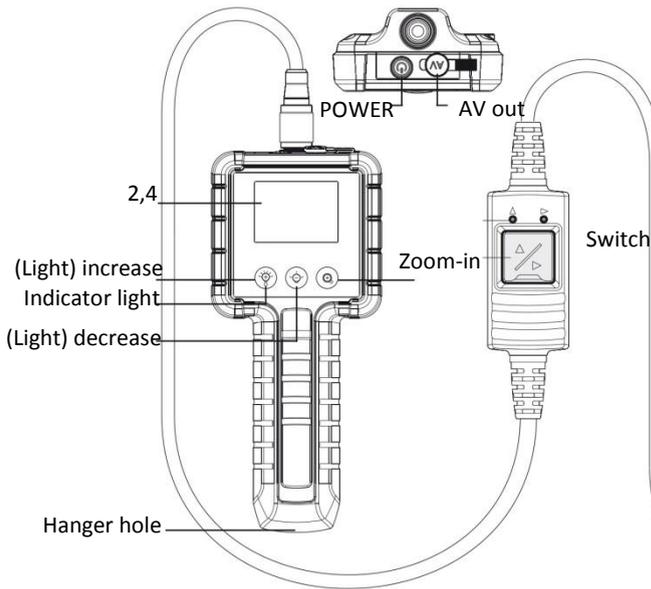


## Product Features



## Specifications

|                         |  |
|-------------------------|--|
| Insert Tube             |  |
| Diameter:               | 4.9mm  |
| DOF:                    | 1~6cm  |
| Field of View:          | Horizontal field angle 45.2°<br>Vertical field angle 34°<br>Diagonal field angle 56° |
| Light Source :          | Forward x 2 LED / Side x 2 LED   |
| Length:                 | 1m   |
| Water Resistance:       | Insert tube water resistant (IP67)   |
| Working Temperature:    | 0-60°C   |
| Console Dimension:      | 93.5 x 209.5 x 57.5mm  |
| Power Supply:           | 4 Alkaline AA 1.5-volt batteries   |
| Estimated Battery life: | 8hrs   |
| Display Resolution:     | 320 x 240  |
| Screen Type:            | 2.4"   |
| Operating Temperature:  | -20°C-60° c  |
| Storage Temperature:    | -20°C-80°C   |

## Getting Started

- Step1 : Pull out the screw ring, rotate the screw ring in counter-clockwise direction to loosen the screw and then pull the battery cover.
- Step2 : Install the battery to indicated direction. Close the battery cover and tighten the screw.
- Step3 : Press the POWER button to turn on this product, the power indicator will light, "READY" message will show up. You can operate this product after the message disappeared.
- Step4 : Click on the switch of the probe to pass from forward view to side view and click again to return to forward view...
- Step5 : To shutdown device, press the POWER button again.

## Operation

### Increase/Decrease light Button

- {Light} increasing/decreasing button's function is to adjust the brightness of camera.
- Each press can lighten or dim the light source for one level.
- Keep pressing the button can continuously adjust the brightness until releasing it.

### Zoom-in Button

This button is a multi-function key, pressing in different ways, different functions will be enabled.  
Start-up mode: Press once and then release.

- Pressing this button, the target which is taken by the camera will be 1.5 times zoom-in display on the screen, as well as shows "ZOOM" on the screen.
- Pressing this button again; the screen will be back to default size and shows "NORMAI." on the screen at the same time.

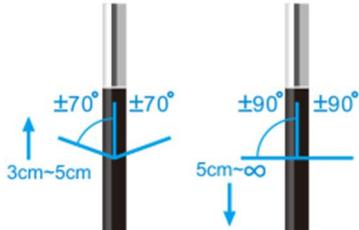
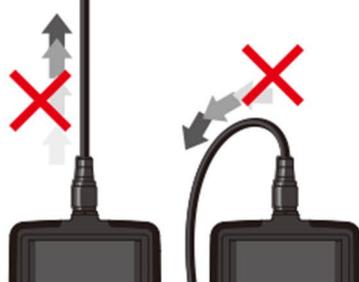
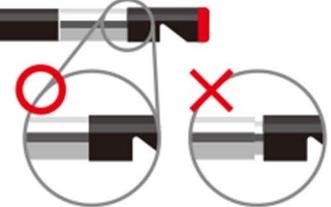
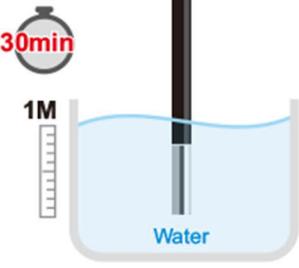
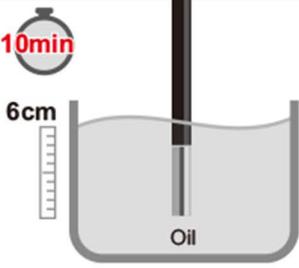
## Insert Tube Maintenance

- To avoid danger, please do not put the insert tube into any flammable liquid or gas.
- User may clean the camera lens with a cotton swab and small amount of cleaning naphtha.
- The insert tube contains a series of small wires that control the optics and electronics of the camera tip. To ensure long-term reliability, do not bend the insert tube more than 180 degrees, and always bend the insert tube in as large an arc as possible during usage and storage.

## Cautions for Use

- Do not insert the insert tube into any flammable gas or liquid (such as a fuel tank) to avoid dangers.
- Do not use any corrosive liquid for cleaning, such as alcohol.
- Do not try to disassemble this product. This presents a shock hazard and could damage the unit.
- Do not band the insert tube over 180 degrees during usage or storage.
- Please do not use the product in a medical facility.
- This product is designed for industrial use only. Do not use the system for human or any other biological inspection.
- Do not use this product in a fuel tank or other dangerous environments such as a gasoline or alcohol storage tank.
- Please use only recommended components or accessories. Unapproved accessories and components may cause damage.
- Avoid direct exposure to sunlight for long periods of time.
- Store the system in a cool, dry and well-ventilated place.

## Warning card for using Insert Tube

|   |   |   |
|---|---|---|
| 1 | <p>DO NOT bend the tube end of 3cm at the lens front.<br/>         DO NOT bend over <math>\pm 70^\circ</math> under the first 5cm.<br/>         DO NOT bend over <math>\pm 90^\circ</math> on the whole tube.</p> |    |
| 2 | <p>DO NOT bundle the insert tube less than a 15cm internal diameter circle when using and storing.</p>  |    |
| 3 | <p>DO NOT crash the connector and don't pull the tube after the tube connects with the main system.</p>   |   |
| 4 | <p>DO NOT tighten the accessory anymore when screw complete.</p>  |  |
| 5 | <p>DO NOT crash the crown head.</p>   |  |
| 6 | <p>DO NOT immerse the insert tube deeper than 1M depth and over 30 minutes.</p>   |  |
| 7 | <p>DO NOT immerse the insert tube deeper than 6cm depth and over 10 minutes.</p>  |  |
| 8 | <p>Oil Pass: Leadless Gasoline, Machine Oil, Diesel, Brake Oil (DOT 4), Transmission Oil, Neutral Cleanser.</p>   |  |