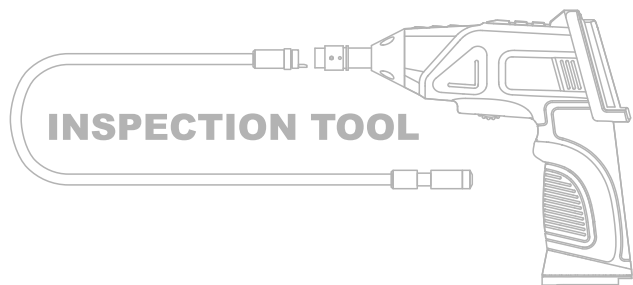


# EXPLORER STANDARD



Model: GB8832/GB8833/GB8836/GB8837/GB8839

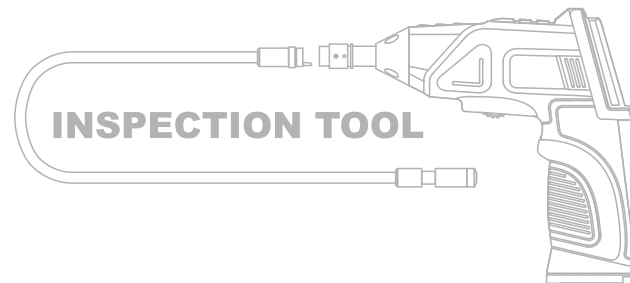
## EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



# EXPLORER STANDARD USER MANUAL

INSPECTION CAMERA



Version 1.0

Please read this user manual carefully before using this product.  
Failure to understand operation procedures may result in injury.

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## **GENERAL SAFETY INFORMATION**

WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

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### **SAVE THESE INSTRUCTIONS!**

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- ※ Prevent object and liquid entry. Never spill liquid of any kind on the video display unit. Liquid increases the risk of electrical shock and damage to the product.
- ※ The unit is not shock-resistant. Do not use Explorer Standard as a hammer and avoid high impact resultant from things such as dropping the unit from height
- ※ Do not immerse camera handle or monitor in water. Avoid moisture, and store product in a dry place. Such measures reduce the risk of electric shock and damage. **The lens and the tube are water resistant when the unit is fully assembled, but the monitor and handle are not.**
- ※ Do not use the camera if condensation forms inside the lens. Let the water evaporate before using again.
- ※ Turn off the system if it is not in use.
- ※ This product can only be completely disconnected from its power source by unplugging the power adapter.
- ※ Do not cut the DC power cable of provided with this product to fit with another power source.
- ※ Attention should be given to the environmental aspects of battery disposal.
- ※ Remove the batteries when cleaning the unit.
- ※ Remove the batteries before storing the unit for a long time.
- ※ When necessary, REPLACE ALL FOUR (4) BATTERIES in this unit with new ones, not one (1) or two (2) batteries at a time.
- ※ Use only the size and type of battery specified.
- ※ Be sure to install the battery with the correct polarity as indicated in the battery compartment.
- ※ Properly dispose of batteries. Exposure to high temperatures can cause batteries to explode, so do not dispose of in a fire. Place tape over the terminals to prevent direct contact with other objects.
- ※ Some countries have regulations concerning battery disposal. Please follow all applicable regulations.

## WELCOME

Congratulations on your purchase of our inspection video camera with color LCD monitor, the EXPLORER STANDARD. Please read the user manual carefully before using this product. These products are designed as a remote inspection device, capable of recording video/taking pictures. Appropriate for use in surveying pipes or other hard-to-reach places, equipment or furnishing installation, car repair, etc. Features include waterproof LED lens, real-time viewing.

## FEATURES

- Allows for easy surveying of small, hard-to-reach places;
- Mini water-proof camera with 1m (3ft.) flexible extended tube;
- Manufactured and tested to IP67 waterproof standard;
- 2.4" TFT-LCD detachable/mountable monitor, built-in rechargeable Li-battery;
- Adjustable brightness on lens-mounted LED light;
- Lightweight, handheld design, flexible and convenient to use.

## PACKING LIST



Only for 8832FA



Hook x 1



Magnet x 1



Mirror x 1

Only for 8833FA



Hook x 1



Magnet x 1



Mirror x 1



Rubber ring x 1

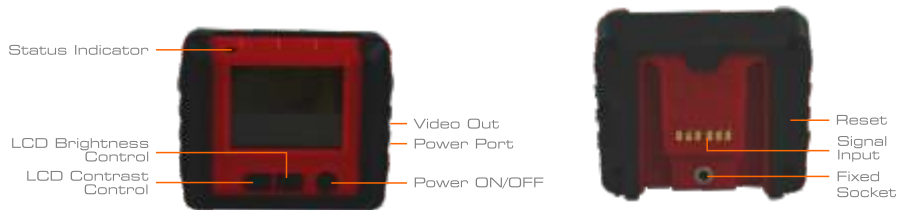
## STRUCTURE

Camera

Mini 17mm Water-proof LEDs lens



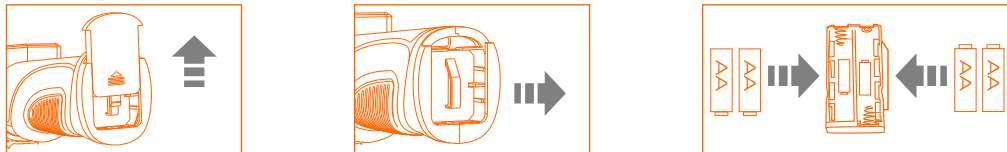
## Monitor



## INSTALLATION

**To Install Batteries** (Dry your hands before installation or replacing batteries.)

1. Remove the battery cover as illustrated below:

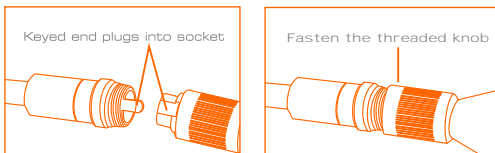


2. Remove battery compartment and insert four (4) AA batteries into their appropriate slots, with proper orientation, as indicated on the battery compartment.

3. Reinstall battery compartment and replace battery cover.

### To Attach Flexible Tube with Handle

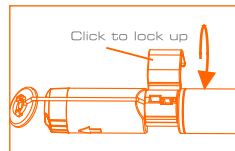
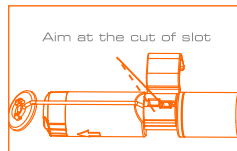
To connect the flexible tube camera with control handle, first make sure that the keyed end of the tube is aligned with the slot in the handle, then use slight force to push them together. Once properly aligned, twist the threaded knob clockwise until the connection is securely in place.



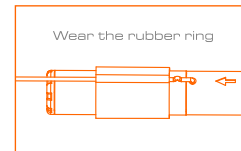
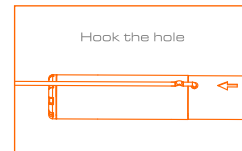
### To Install Accessories

The three (3) included accessories (mirror, hook and magnet) are all attached to the camera in the same way as illustrated below:

For 8832FA



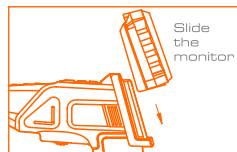
For 8833FA



For 8832FA: to prepare accessory for installation, push down on stem-side of black interface while pulling away from adjacent side. This will open the base of the accessory. Next, align inside of stem-side to either treaded surface at the base of camera head. Tighten to secure the accessory in place.

### To Install Monitor for Wired Use

EXPLORER DELUXE supports wired use by connecting the monitor to the camera handle.



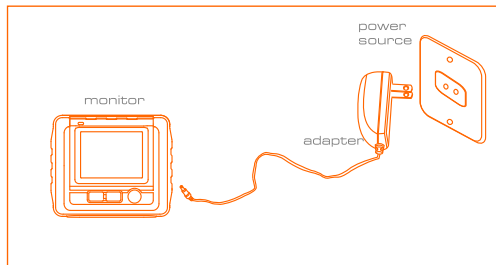
### To Install Extension Tube

To connect the extension tube, first align the keyed end with the slot in the handle. Use slight force to push them together. Once properly aligned, twist the threaded knob clockwise until the connection is securely in place. Repeat this process to connect the other end of extension tube to flexible camera tube.



### To Connect Monitor Power


Connect the monitor to an appropriate (100-240V ~ 50/60Hz) power source with the provided adapter to charge and the status indicator lights red.



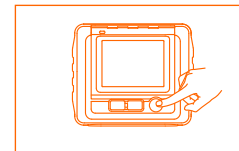
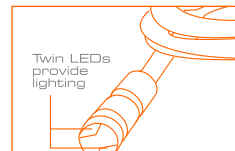
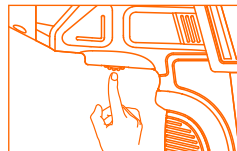
### Video Output

Insert video cable into the video out socket of the monitor, insert the other end of the cable into the video in jack of any compatible TV or display device. The LCD monitor is now capable of outputting high quality video to another display.

## OPERATION

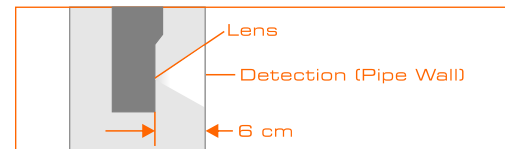
1. As you roll the power switch to turn on the camera, the power indicator on the camera handle will light. The rolling switch then acts as a dimmer for the twin LEDs that surround the camera on the end of the flexible tube.
2. Press and hold the  button on the top of the monitor for 2 seconds or until the image from the lens is displayed on the monitor.
3. If the image is unclear, please adjust brightness and contrast by toggling the buttons on the monitor face.

- \* LCD Brightness Control: The 8 levels of LCD brightness can be adjusted by pressing the LCD Brightness Control button.
- \* LCD Contrast Control: The 8 levels of LCD contrast may be adjusted by pressing the LCD Contrast Control button.



3. You can be real-time detection.

**Only for 8836FA:** The lens and the detection of the best distance is 6 cm, If too close or too far it can cause objects not clear.



### Note:

\* When in use, the tube should easily maneuver itself into position. Do not apply excessive force.

### TIP!

- \* The flexible tube can be bent into numerous shapes that may help you explore areas you otherwise thought were impossible to see.
- \* The accessories included with EXPLORER STANDARD can be used to retrieve small items like dropped rings or screws. (only for 8832FA, 8833FA)


## SPECIFICATIONS

	Model No.	8832FA	8833FA	8836FA	8837FA	8839FA
	Imaging Sensor	CMOS				
Total Pixels	704 x 576 (PAL) 712 x 486(NTSC)	640 x 480	640 x 480	320 x 240	720 x 525 (NTSC) 720 x 625 (PAL)	
Horizontal Viewing Angle	50°	36°	35°	63°	60°	
Transmission Frequency	2468MHz					
Minimum Illumination	0 Lux					
Modulation Type	FM					
Bandwidth	18MHz					
Power Supply	4 x AA batteries					
Unobstructed Effective Range	10m (max.)					
Waterproof Capacity	IP67 (for lens/tube only)					
Tube Diameter	17mm	9mm	17mm	4.5mm	5.5mm	
Dimensions (W x D x H)	195 x 165 x 55(mm) (Excluding Flexible Tube)					
Approx. Weight	494g	416g	492g	248g	320g	
LCD Screen Type	2.4" TFT-LCD					
Effective Pixels	480 x 234					
Video System	PAL/NTSC					
<b>Receiving frequency:</b>	2468MHz					
Exterior Supply Voltage	5VDC					
Consumption Current (Max.)	290mA					
Charging Time	4 hours					
Working Time	6 hours					
Receiving Sensitivity	≤-85dBm					
Dimensions (W x D x H)	90 x 78 x 40 (mm)					
Approx. Weight	168g					
Operating Temperature	-10 - 50 °C					
Operating Humidity (Max.)	15-85%RH					

\* Actual transmission range of wireless monitoring may vary according to the weather, location, interference or building construction.

\* All specifications are subject to minor change without prior notice.

## TROUBLESHOOTING

Problem	Possible Causes	Likely Solutions
Tool would not start	1. monitor not charged. 2. batteries need charging.	1. charge monitor 2. replace batteries in handle assembly 3. press the reset button to start
Monitor would not charge	1. adapter cable not attached properly 2. adapter not connected to power	1. make sure adapter cable is connected between monitor and adapter. 2. make sure adapter is securely plugged into wall socket.
Image too dark or bright	1. LEDs near camera need adjustment 2. monitor display needs adjustment	1. use dial on control handle to adjust brightness of LEDs. 2. use contrast and brightness buttons on monitor to adjust image.
	Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.	

## FCC INFORMATION

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference;

(2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The graphics included in this user manual are subject to minor change without notice.