

INSPECTION TOOL

Model: GD8711/GD8712/GD8713/GD8715/GD8716/GD8717/GD8719

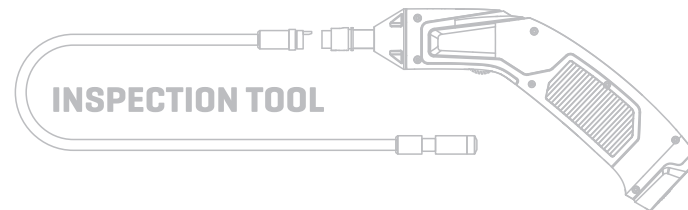
EU Environmental Protection

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.



USER MANUAL

WiFi Inspection Camera



INSPECTION TOOL

Model: GD8711/GD8712/GD8713/GD8715/GD8716/GD8717/GD8719

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.

SAVE THESE INSTRUCTIONS!

- ※ 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 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 handle is 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 for from its power source by unplugging the power adapter.
- ※ 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 WiFi inspection camera. Please read the user manual carefully before using this product. This product is designed as a remote inspection device with WiFi transmission (support iPhone, iPad and Android phone), 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 recording.

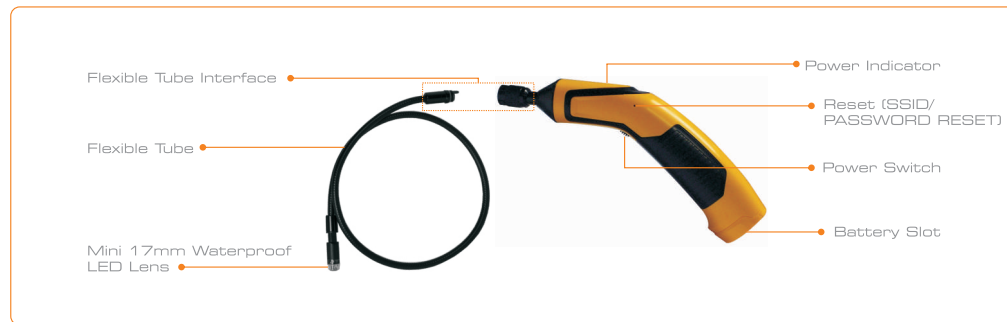
Features

- WiFi transmission, support iPhone, iPad and Android phone
- Allows for easy surveying of small, hard-to-reach places
- Mini 17/9/5.8/5.5/4.5mm water-proof camera with 1m (3 ft.) flexible extended tube
- Manufactured and tested to IP67 waterproof standard
- Video recording and photo capture capability
- Increase visibility with 3x zoom capability
- Adjustable brightness on lens-mounted LED light
- 3 useful accessories included: Hook, mirror and magnet
- Lightweight, handheld design, flexible and convenient to use

Packing list



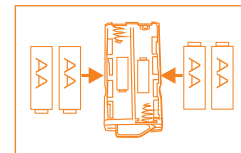
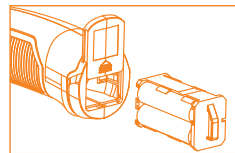
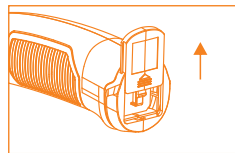
Structure



Installation

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

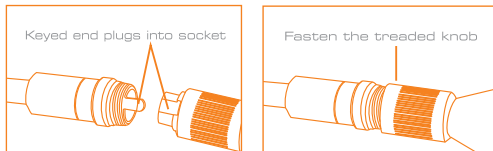
1. Remove the cover as illustrated below:



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 and screw

To Attach Flexible Tube with Handle

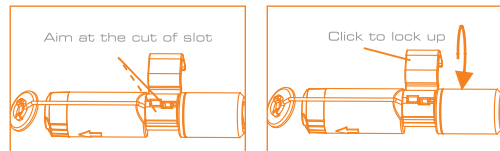
To connect the flexible tube camera with control handle, first make sure that the keyed end of the tube is aligned with the slot in the handle, then use slight force to push them together. Once properly aligned, twist the treaded knob clockwise until the connection is securely in place.



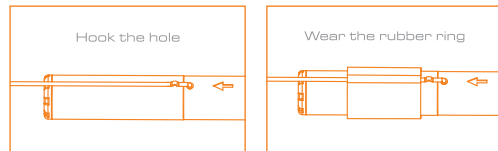
To Install Accessories

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

For GD8712



For GD8713



For GD8712: 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 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 treaded knob clockwise until the connection is securely in place. Repeat this process to connect the other end of extension tube to flexible camera tube.



Operation

Basic 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. When in use, the tube should easily maneuver itself into position. Do not apply excessive force. The flexible tube can be bent into numerous shapes that may help you explore areas you otherwise thought were impossible to see.
3. The accessories included with WiFi inspection camera can be used to retrieve small items like dropped rings or screws.

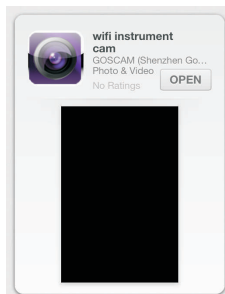


Note: The client supports Android and iOS.
Version: Android 2.2, iOS 4.3, and later versions
Default settings: SSID: WIFICAMERA
password: 88888888

◆ Installing Software for a Smart Mobile Device that Runs an iOS System

To install software for your smart mobile device that runs an iOS system:

1. Power on your device to enter the home screen and touch . On the displayed screen, search for the software wifi instrument cam.



2. Touch Install. The software can be installed on your device.
3. After the installation is complete, the icon of the software is displayed on the home screen, as shown in the following figure.



◆ Operating a Smart Mobile Device that Runs an iOS System

1. Wifi connection

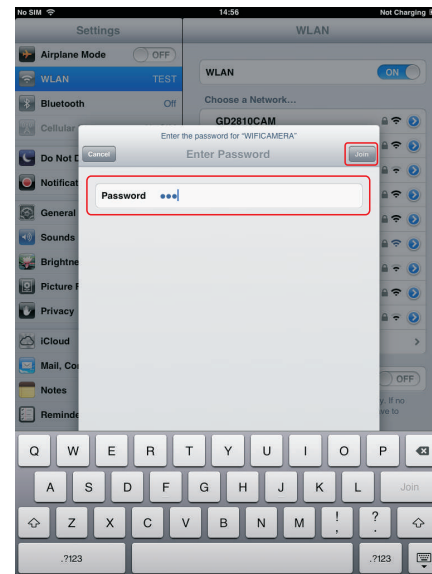
Touch Settings on the home screen of your device.



Touch WLAN and select your camera.

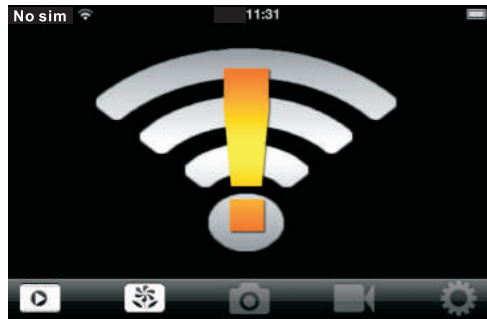


Enter the device password (88888888 by default) and touch Join.



2. Device Operation

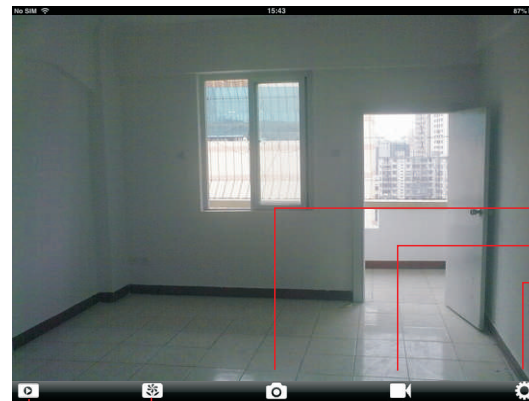
If the WiFi connection succeeds, you will see the image captured by the WiFi camera in applications. If the WiFi connection fails, the screen shown in the following figure is displayed.



This screen is also displayed if a WiFi interruption occurs when you view an image. In this case, exit the application and check whether the WiFi connection is proper.



When the WiFi connection succeeds, the home screen is displayed on the device. Touch  to enter the software screen.



Video playback Photo playback

■ Video playback

Touch this icon to open the video playback list and select the video you want to play back. If you slide left, the button **Delete** is displayed. You can touch it to delete the video.



■ Photo playback

Touch this icon to open the photo playback list and preview the desired photos.

Take a photo

Touch this icon to take a photo.

Record a video

Touch this icon to record a video. The recording time is displayed in the upper left corner of the screen. Touch this icon again to stop recording.



Settings

Touch this icon to display the settings menu.



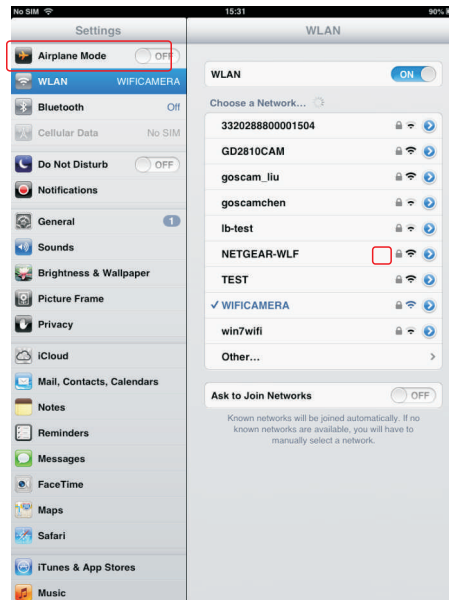
You can set a new SSID or password for your WiFi network.

Important notes:

After you change the SSID or password, touch Settings on the home screen to forget this network and reconnect your device to the network. Otherwise, a message indicating a login error is always displayed. To forget this network:
Touch Settings on the home screen of your device.



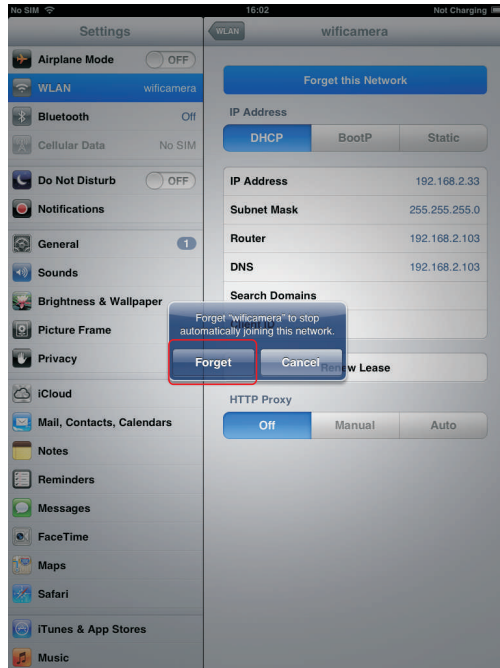
Touch WLAN and touch  on the right of the camera for which you want to change the password.



Touch Forget this Network.



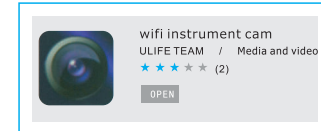
Touch Forget to remove network records. Then, reconnect to the network using the previous WiFi connection methods.



◆ Installing Software for a Smart Mobile Device that Runs an Android System

To install software for your smart mobile device that runs an Android system:

1. Power on your device to enter Google Play store and search for the software wifi instrument cam.



2. Touch Install. The software can be installed on your device.
3. After the installation is complete, the icon of the software is displayed on the home screen, as shown in the following figure.



◆ Operating a Smart Mobile Device that Runs an Android System

1. WiFi connection

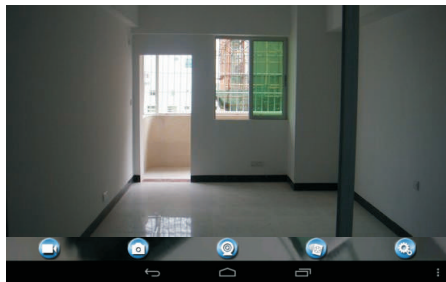
Touch Settings on the home screen of your device.



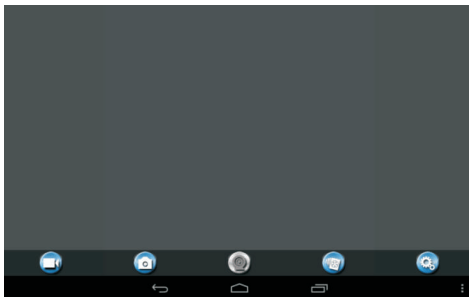
Touch WLAN and select your camera. Connect WiFi of the device to WiFi of the camera. The original SSID of the camera is WIFICAMERA. Enter the device password (88888888 by default).


2. Device Operation

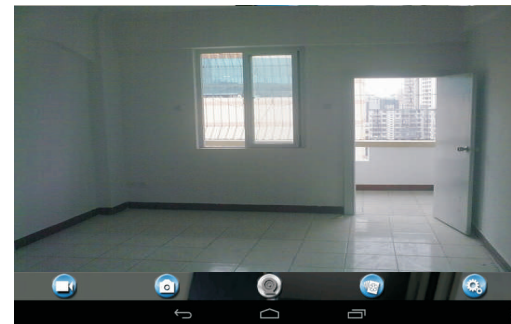
Default Paragraph Font; If the WiFi connection succeeds,  is highlighted and you will see the image captured by the WiFi camera in applications.




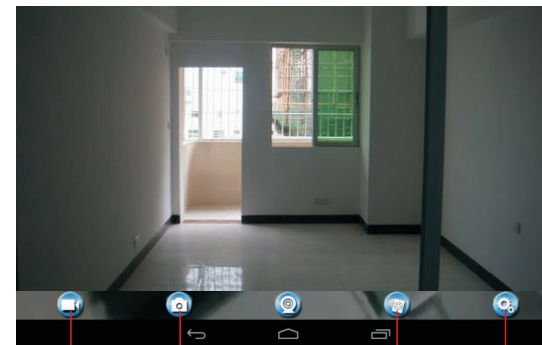
If the WiFi connection fails,  is dimmed and the background is black, as shown in the following figure.



If a WiFi interruption occurs when you view an image,  becomes dimmed and the picture viewing stops. In this case, exit the application and check whether the WiFi connection is proper.



When the WiFi connection succeeds, the home screen is displayed on the device. Touch  to enter the software screen.



Record a video Take a photo Video and photo playback Settings

■ Record a video

Touch this icon to record a video. The recording time is displayed in the upper left corner of the screen.





Touch this icon again to stop the recording.

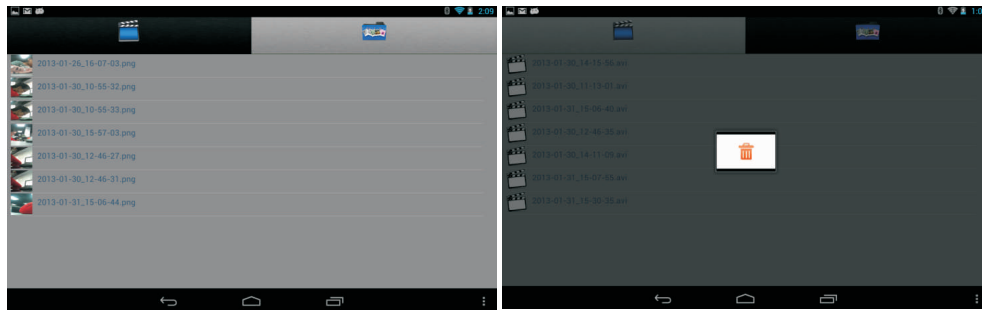


■ Take a photo

Touch this icon to take a photo.

■ Video and photo playback

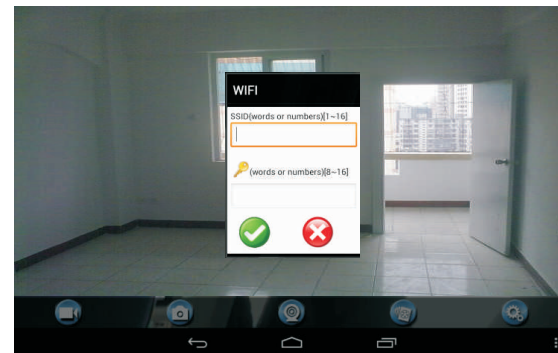
Touch this icon to list saved videos and pictures. Touch  to list saved videos. You can select the video you want to play back or touch and hold the video to delete it. Touch  to list saved pictures. You can select the picture you want to view or touch and hold the picture to display . Then, touch  to delete the picture.



■ Settings

Touch this icon to display the settings menu. You can change the default SSID and password of the WiFi camera. Touch  to check whether the modification succeeds.

Touch  to cancel the new SSID.



Important notes:

After you change the SSID or password, touch Settings on the home screen to forget this network and reconnect your device to the network. Otherwise, a message indicating a login Touch Settings on the home screen of your device.



Touch  **WIFI** and **WLAN** setting to search for the modified WiFi name.



Touch  next to **NETGEAR-WLF**.



The following screen is displayed.

Touch **Forget** to remove network records. Then, reconnect to the network using the previous WiFi connection methods.



Note: Normally the yellow light is on. When the red light is on, the battery voltage is low and the batteries must be replaced.

If you forget the SSID and password of the smart mobile device, you can press **Reset** on the product for 5 seconds to enable factory defaults.

Specifications

Model No.	GD8711	GD8712	GD8713	GD8715	GD8716	GD8717	GD8719
Imaging Sensor	CMOS						
Total Pixels		704 x 576 (PAL) 712 x 488 (NTSC)	640 x 480 (PAL) 640 x 480 (NTSC)	648 x 488	640 x 480	320 x 240	720 x 525 (NTSC) 720 x 625 (PAL)
Horizontal Viewing Angle	46°	50°	48°	42°	35°	63°	48°
Transmission Frequency	2400-2483.5MHz						
Minimum Illumination	0 Lux						
Power Supply	4 x AA batteries						
Waterproof Capacity	IP67 (for lens/tube only)						
Tube Diameter	5.8mm	17mm	9mm	5.8mm	17mm	4.5mm	5.5mm
Transmit power	12+/-1.5 dBm						
Receiver sensitivity	11b:-90, 11g/n:-72 dBm						
Transmission rate	1-150M bps						
Frequency stability	±20 Ppm						
Unobstructed effective range	≥10 m						
Working voltage	4V-6.5V						
Video Style	PAL/NTSC						
Consumption Current (Max.)	<400mA						
Working Time	>1 hours						
Picture/Video Pixels	640 x 240						
Frame Rate	30 frame/second						
Grip size (W x D x H)	233.5 x 120 x 42.5 (mm)						
Handle weight	158g						
Operating Temperature	-10°C-50°C/14°F-122°F						
Operating Humidity (Max.)	20-85%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.

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.