



ZONE SHIELD[®] Wi-Fi
Cloud Based Hidden Video by SleuthGear[®]

Wi-Fi DVR Manual

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ZONE SHIELD® Wi-Fi

Cloud Based Hidden Video by SleuthGear®



Do not open/modify the device, as it may cause damage to the unit and void the Warranty. For internal repairs, consult your dealer or an Authorized Service Center.



Do not use any accessories or power supplies other than what comes with the device, otherwise it could void the warranty.



Protect from humidity. Do not put it in water and be careful to protect it from rain, sea water, or high humidity environment. Do not operate the unit near a bath tub, shower, sink, swimming pool, etc.



Protect from high temperatures. To avoid damage or mis-operation of the device, only use in temperature of 0 ~ +40°C(32 ~ 104°F).



Do not bring the device suddenly from a hot to a cold place, or vice versa. This may cause damage to the inside of the unit by creating condensation.



EU Environmental Protection

The symbol of crossed-out garbage shows that this product should not be treated as household waste, as it falls into the category of electric/electronic equipment for recycling. This electronic device should not be disposed of in regular trash. We strongly advise you to contact your local authority for proper disposal of this product.

Includes

- Zone Shield® Wi-Fi device by SleuthGear®
- CD with full User Manual

Compatible Memory Storage

For the device to function properly, below memory card brands of class 6 and above are recommended:

- Apacer
- Toshiba
- Sandisk
- Kingston

For 64GB cards, the below memory card brands of class XCI or above are recommended:

- Toshiba
- Samsung EVO

Recording Duration Chart

Size	Frame rate	1GB	8GB	16GB	32GB	64GB
HD	15 fps	1.35 hours	10.8 hours	21.6 hours	43.2 hours	86.4 hours
D1	15 fps	1.96 hours	15.68 hours	31.36 hours	62.72 hours	125.44 hours

Introduction

Zone Shield® Wi-Fi cameras allow easy remote viewing anywhere on the free EZ-SEE app. Event notifications alert you when the hidden camera detects activity in your home or office. Connect multiple cameras and view live streaming video from all devices on your tablet or smart phone. Record and playback video using a micro memory card.

All of our SleuthGear® line of hidden cameras are designed and assembled in Nashville, TN USA backed by our 1 year warranty. Visit our website to see the full line of SleuthGear® hidden cameras at www.mysleuthgear.com

Quick Setup Guide

1. Open the Zone Shield® camera to insert the memory card into the memory card slot and connect the power supply.
2. Download the “EZ-SEE” App from Apple Store or Google Play. Open the app after it has installed.
3. In the app, go to “Add” in the top-left corner, then push the “SCAN” button in the middle of the next screen. Locate the QR code on your camera and point your smart device at the QR code so your smart device can scan the code. The app will now directly connect your smart phone or tablet to your device through Wi-Fi.
4. Once connected, there will be a pop-up confirming to connect to the internet for remote live view. Select your Wi-Fi network and type in your password. The camera will reboot and take 1-2 minutes to come back online.
5. Once the camera reboots, it is now ready for live viewing from your smart phone or tablet.

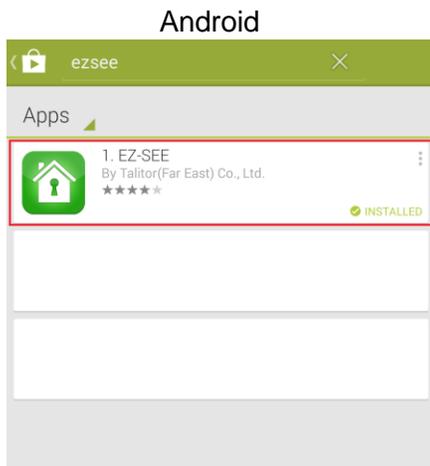
Features

- Free Live viewing anytime from anywhere
- Use on multiple smart devices
- Place cameras in different locations and see in one App/Device
- HD recording
- Quick set up
- Event notification so you always know what is taking place in your home or office
- Store up to 125 hours of video on a micro memory card
- Protect your home, office, vacation home, watch your pets, nanny or use as a baby monitor

Setup

EZ-SEE App Installation

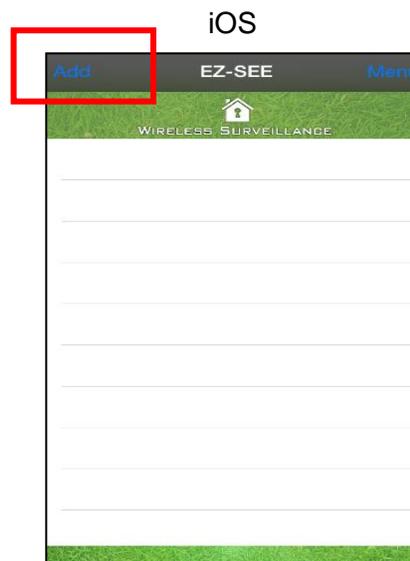
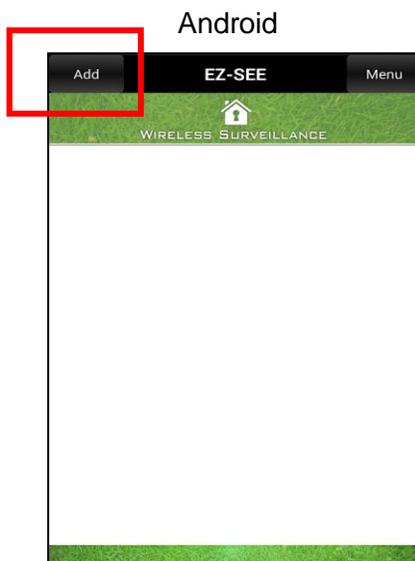
- ▶ Search for “EZ-SEE” in Apple App Store or Google Play Store and install it on your smart phone or tablet.



Adding Your Device

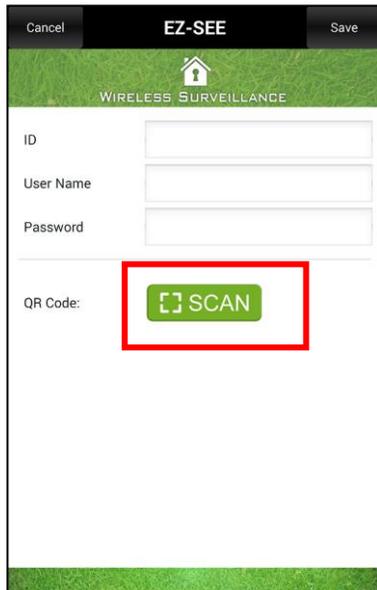
- ▶ QR Code
 1. Turn on the device and wait 1 minute for the Wi-Fi module to boot.
 2. Locate your device's ID number on the QR code sticker (eg. 20000001).
 3. Open the EZ-SEE App and press “Add” button in the top left corner.

20000001

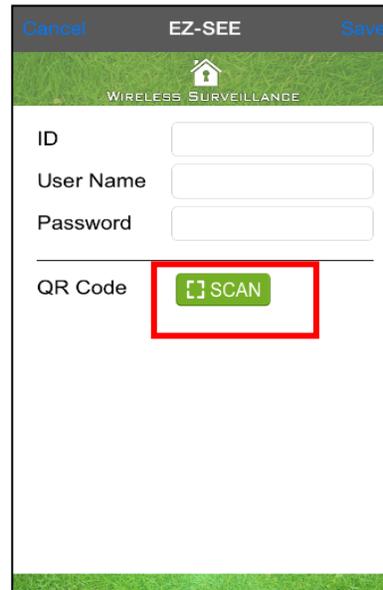


4. Press “Scan” button to scan the QR code.

Android



iOS



5. Point your smart device’s camera at the QR code and the app will scan the code.

6. After scanning, the EZ-SEE App will link to the camera automatically.

► Peer-to-Peer

1. Turn on the device and wait 1 minute for the Wi-Fi module to boot.
2. Locate your device’s ID number on the QR code sticker (eg. 20000005).
You will see EZ-SEE followed by the ID number (in your smart device’s Wi-Fi list).
3. Select this network to directly connect your smart phone or tablet to your camera.
The default password is: 888888888

20000001



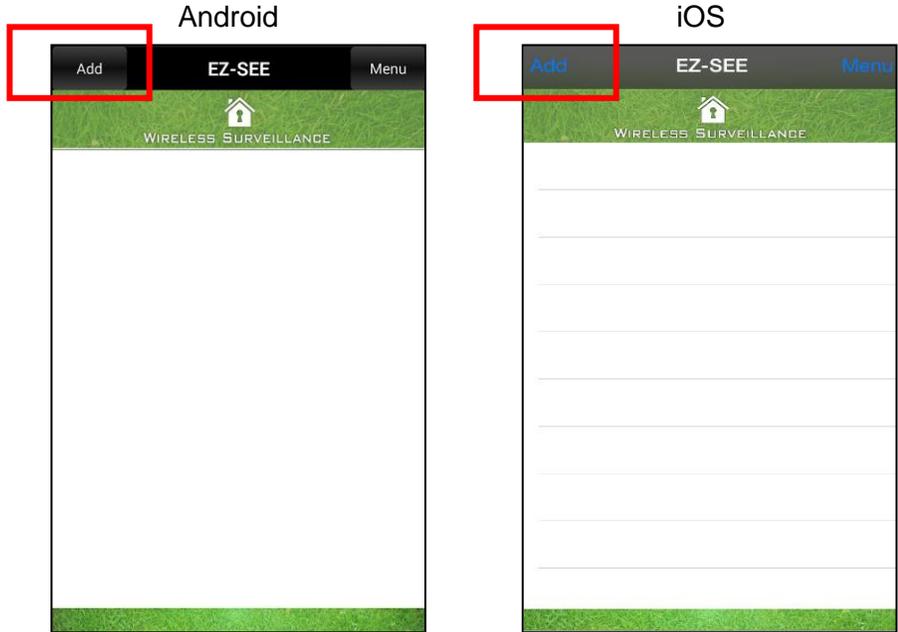
Android



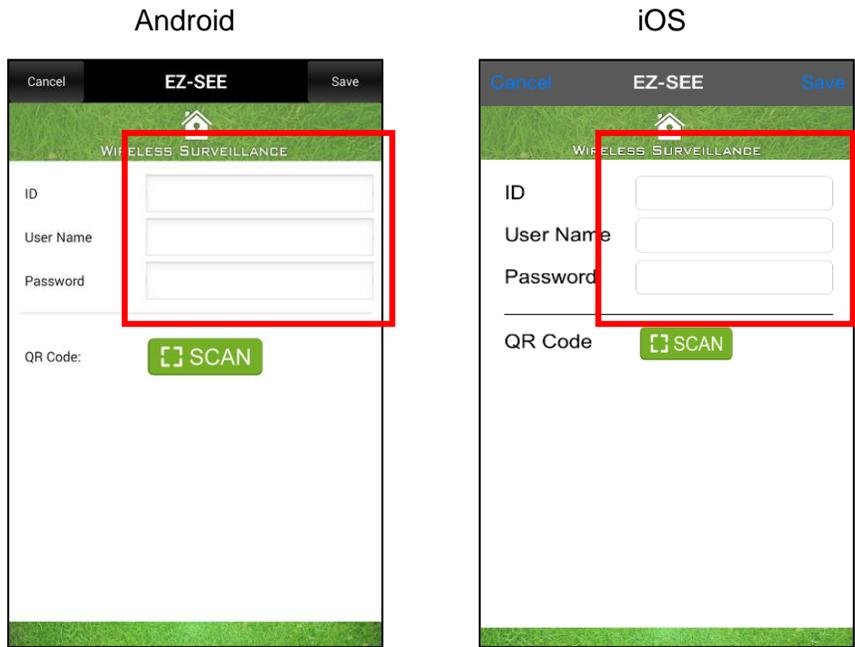
iOS



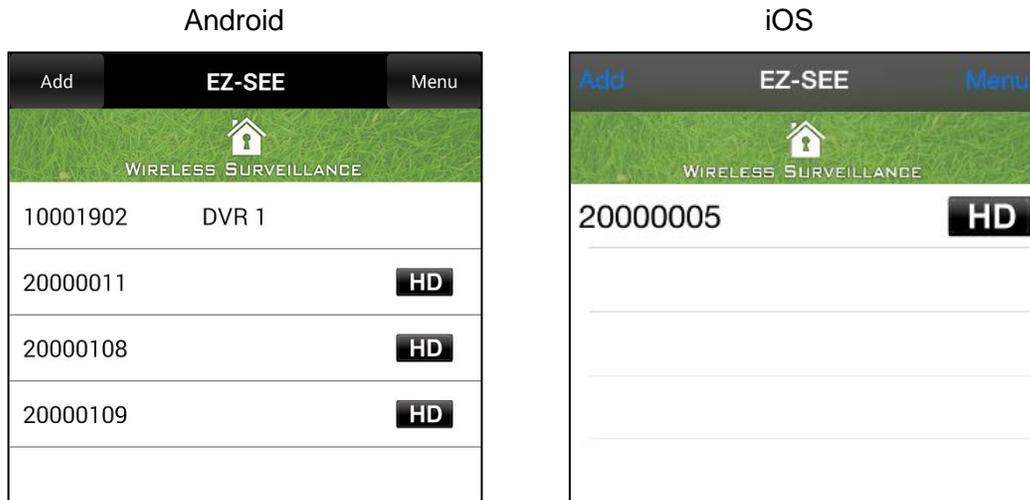
4. Open the EZ-SEE App and press “Add” button in the top left corner.



5. Type in the ID Number from the QR sticker. The default Username/ Password is: root/admin

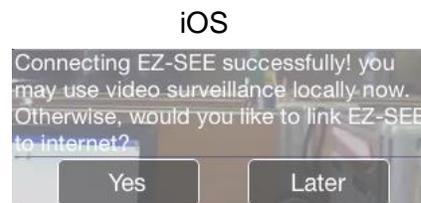
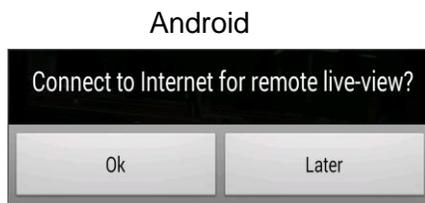


6. You will see the device ID in the camera list. Click on the ID of the device you would like to live view. You will see Network Status  in the top right corner of the screen



Connecting Device to Your Wi-Fi

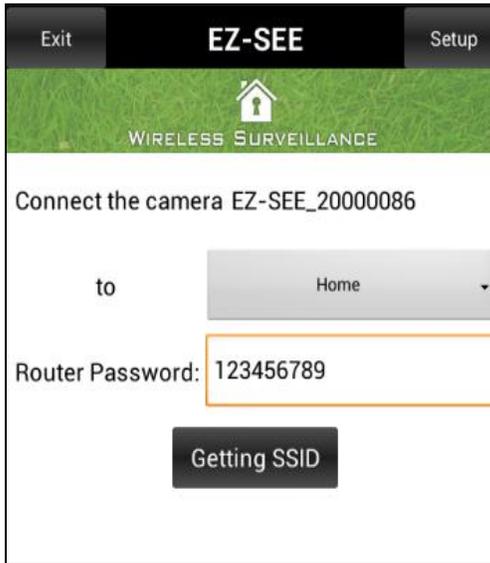
- ▶ Once the Peer-to-Peer connection is made, a pop up message will ask if you would like to connect to the internet for remote live-view.
- ▶ Press OK and then Internet mode setup will begin. If you select "Later", you can set up Internet mode at a later time.



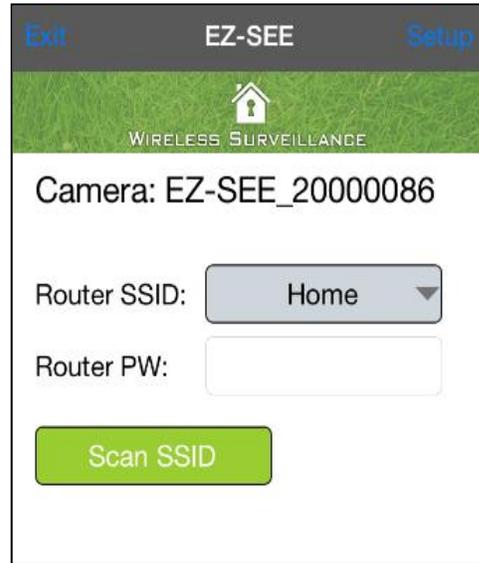
- ▶ Setup Internet Mode Now

1. The below dialog box will come up for linking up with your internet router. When selecting a Router SSID, all available wireless router networks are listed. Select the appropriate network.

Android

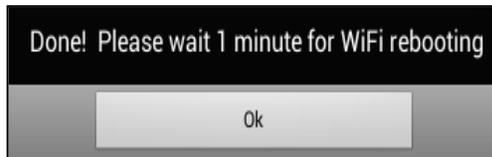
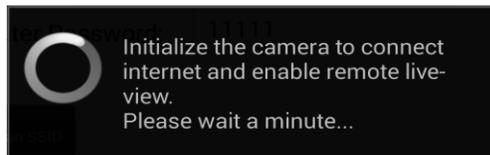


iOS

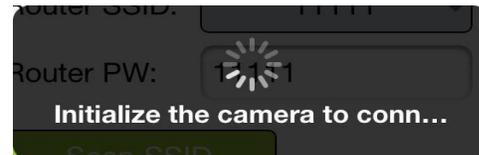


2. Enter the password (if one is required), then push "Setup" button.
 - a. For Android version, a popup message will come up. EZ-SEE App will put the device in Internet mode on the Wi-Fi network chosen and will reboot.
 - b. For iOS version, a camera list will pop up after inputting the router info. Select the camera you would like to connect to. EZ-See App will start Internet mode for the device on the network chosen. Press OK to confirm.

Android



iOS

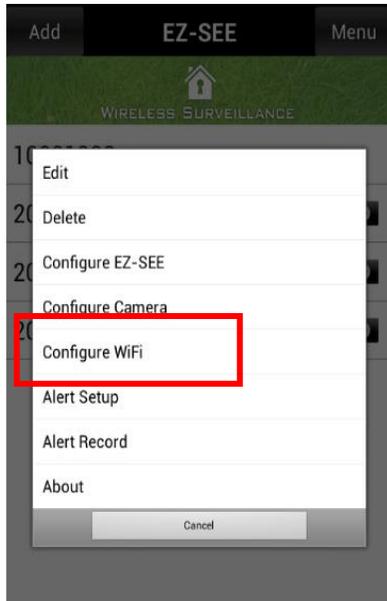


3. Allow the device to reboot. Once complete, live view is available. You will see Network status is now  in the top right corner of the live view screen.

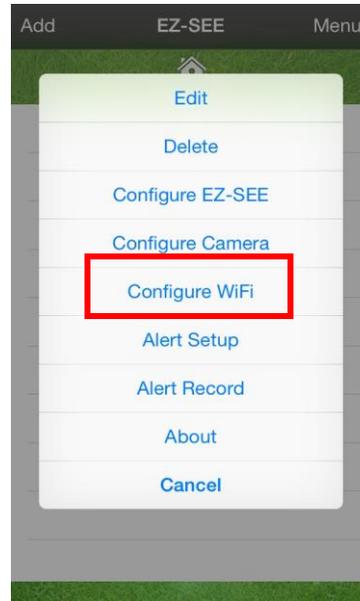
▶ Setup Internet Mode Later

1. Access the Wi-Fi setup from the camera list. Click “Menu” in the top right corner and then select “Configure Wi-Fi.”

Android

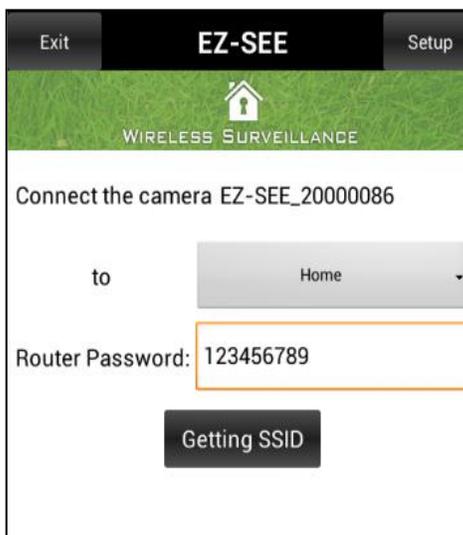


iOS

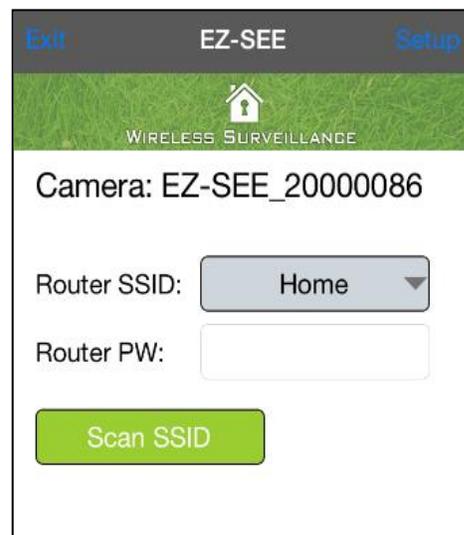


2. Select the appropriate network and enter the password (if one is required).

Android

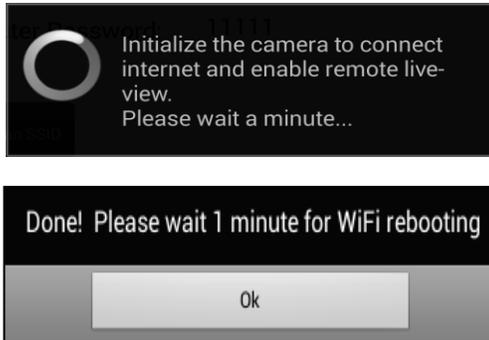


iOS

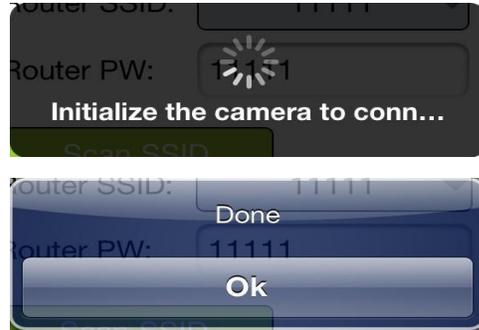


3. Once completed, a pop up window will come up. Press OK to continue completed, a pop up window will come up and press OK.

Android

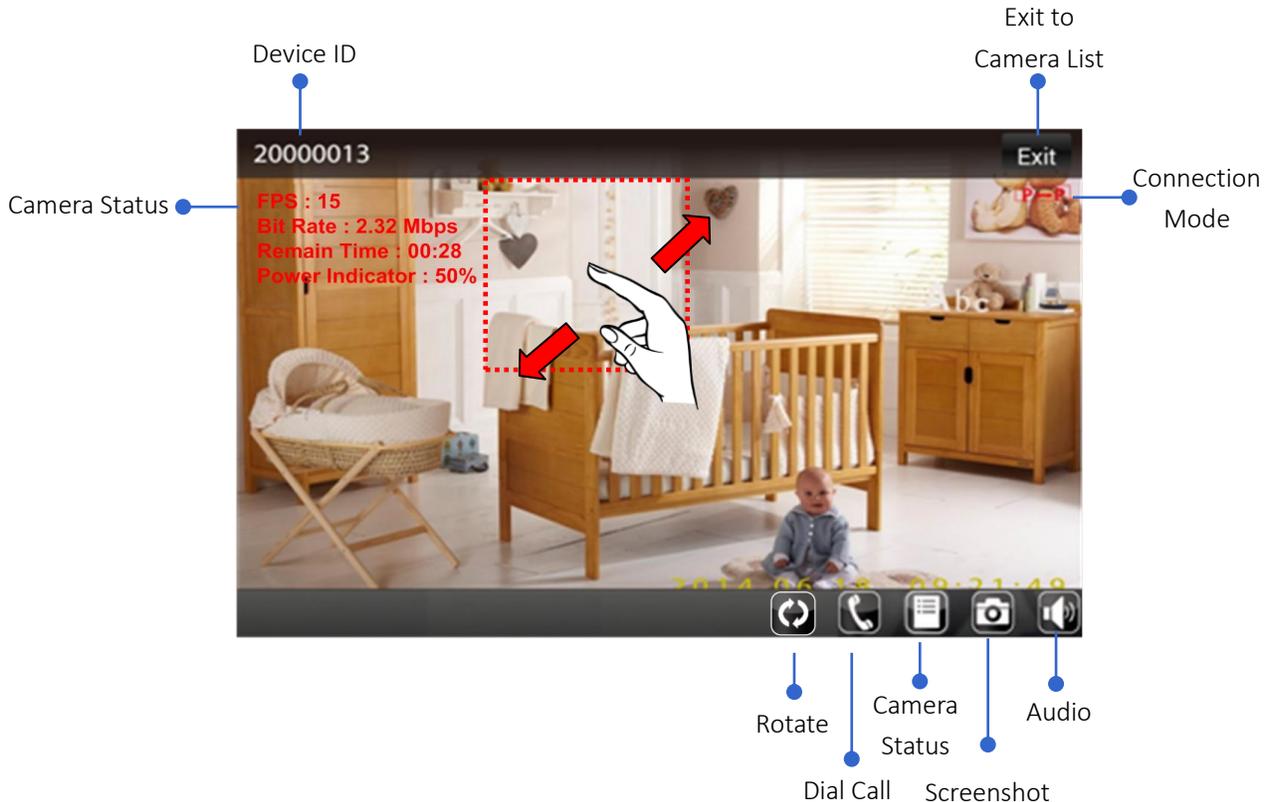


iOS



4. Allow the device to reboot. Once complete, live view is available. You will see Network Status is now.  in the top right corner of the live view screen.

Remote and Live View Screen Overview

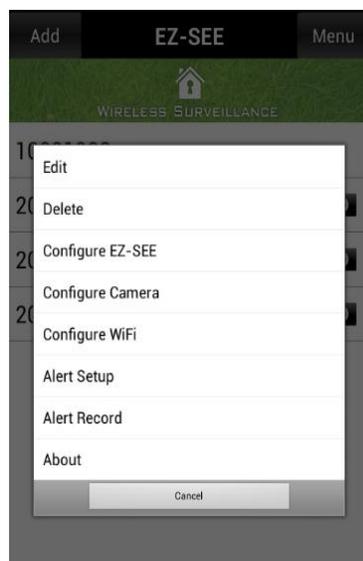


- ▶ Camera Status– Toggle the listed below info about the Live view camera on screen:
 - FPS and Bit Rate – The streaming camera technical info
 - Remain Time – Time left for recording on your memory card
 - Power Indicator – A/C power status
- ▶ Camera ID – Shows the ID for the camera you are Live viewing
- ▶ Exit to Camera List – Leaves Live view and returns to the camera list
- ▶ Connection Mode – Internet or Peer-to-Peer modes.
- ▶ Audio – Press it to mute audio (Law Enforcement or Export units only)
- ▶ Snapshot – Press for an instant motion capture snapshot
- ▶ Dial Call – Press to make a call to a set urgent dial call number. You will need to press again to confirm and to start the call.
- ▶ Rotate – Press to rotate the Live view screen 180°
- ▶ Zoom – When Live viewing, gently put your index finger and thumb on the screen, sliding in outward and inward directions on a specific area to zoom in and out.

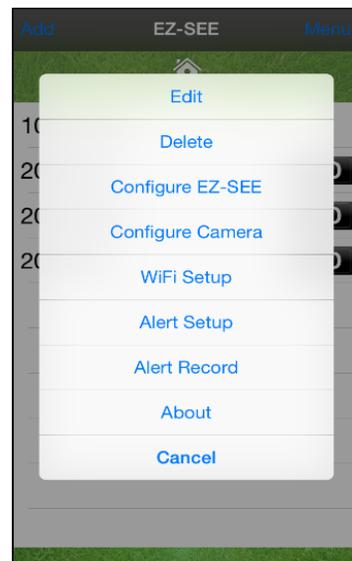
EZ-SEE Menu and Settings

- ▶ When the EZ-SEE App opens, you will see 2 buttons at the top.
 Left Side: Add – camera adding as per previous instruction
 Right Side: Menu –You will see below function button.

Android



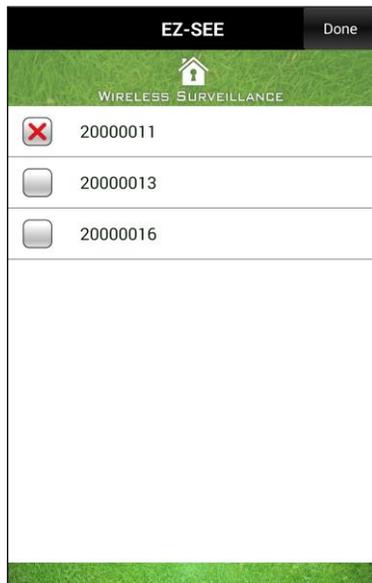
iOS



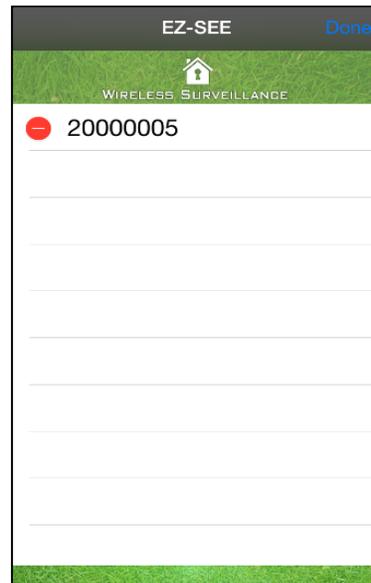
Delete

1. Select the camera ID you would like to delete (eg.20000011).
2. Press "Done" to confirm

Android



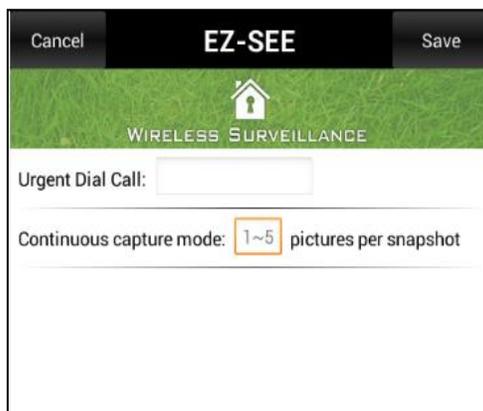
iOS



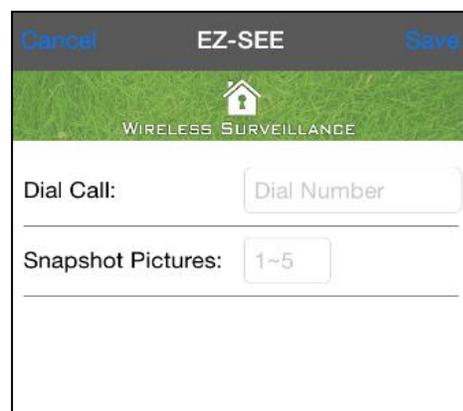
Configure EZ-SEE

- ▶ Dial Call – Set up phone number as urgent contact.
- ▶ Snapshot Pictures – The number of pictures are taken when you press the snapshot button. Maximum setting is 5 pictures.

Android



iOS



Configure Camera

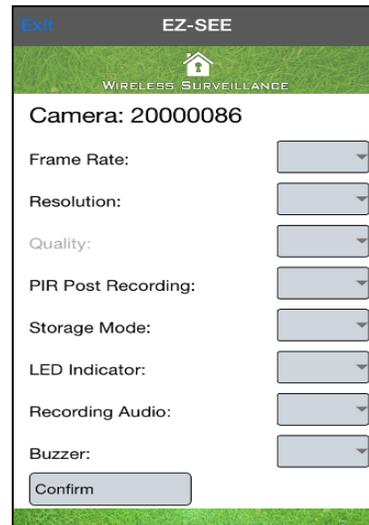
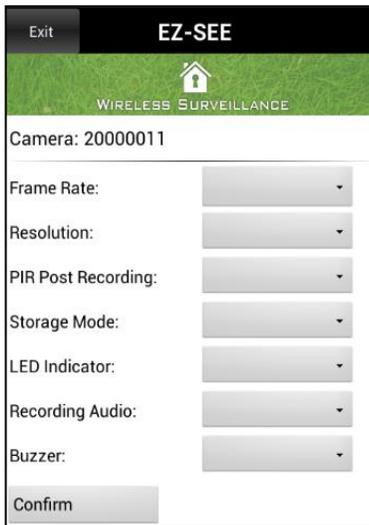
Note: If no devices have been added, you will not see this page

Select the camera you would like to set up

Android



iOS



Camera Parameters	Adjustable Value
Framerate	1, 2, 3, 4, 5, 10, 15 FPS
Resolution	HD, D1
Motion Post Recording	5, 10, 15, 20, 60 sec
Storage Mode	Overwrite, Fullstop
LED Indicator	ON, OFF
Recording Audio	ON, OFF (Law Enforcement/ Export Only) OFF will mute the audio recording
Buzzer	ON, OFF OFF will mute the setting's confirmation sound.

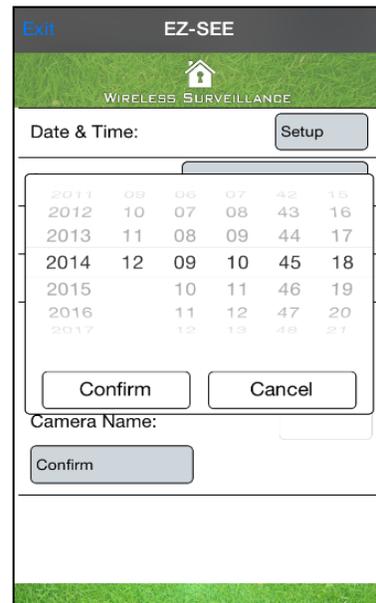
► **Date and Time**

1. Press the Setup button to change the date and time.
2. You can manually key in the date time column and also can adjust value by pressing “+” and “-“.
3. To save changes, press Confirm.

Android



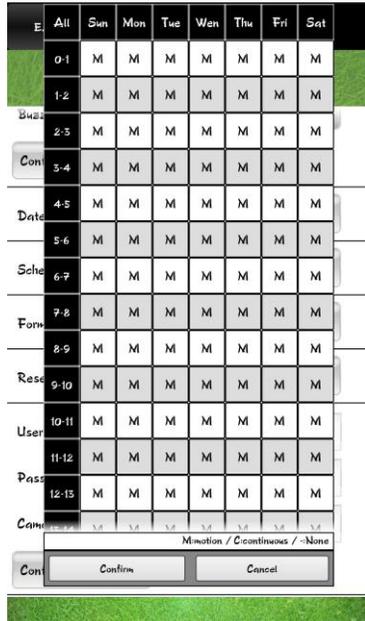
iOS



► **Schedule**

1. Press the “Setup” button to enter the schedule screen. The schedule is set up in a grid, with days of the week and time of day all separated out into separate squares.
2. There are 3 symbols on each square: Motion (M), Continuous (C), and None (-) By default, all of them are set to Motion by default.
3. You can change these by
 - Pressing on day and time squares.
 - Pressing the day of the week will change all times of the day on that specific day.
 - Pressing the time of day will change that time for all days of the week.
 - Pressing “All” will change all of the squares at once.
 - Press these multiple times to cycle through the modes.
4. Press “Confirm” to save the schedule you have created.

Android



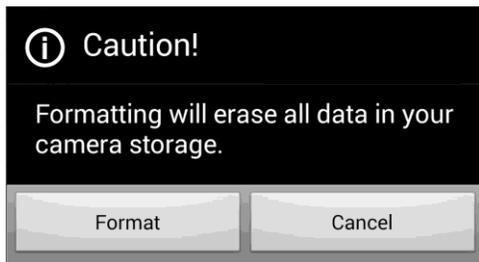
iOS



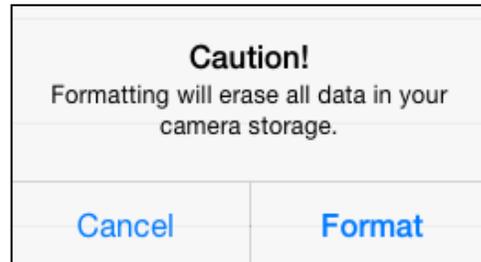
► Format Storage

1. Press confirm to format the memory card.
2. Below dialog will show to re-confirm that you want to format the memory card. Press "Format" to re-confirm.

Android



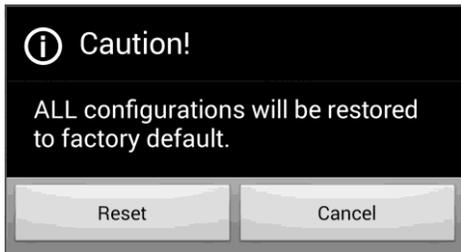
iOS



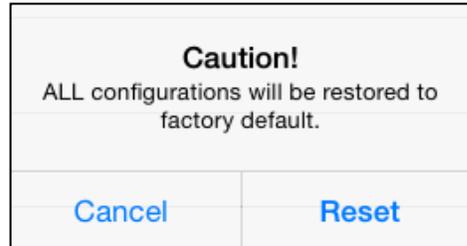
▶ **Reset to Default**

1. Press “Confirm” to reset all settings to factory default.
2. Below dialog will show to re-confirm that you want reset all settings to factory default.
3. Press “Reset” to re-confirm.

Android



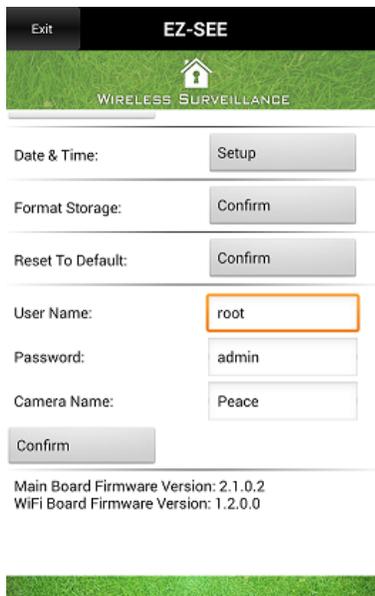
iOS



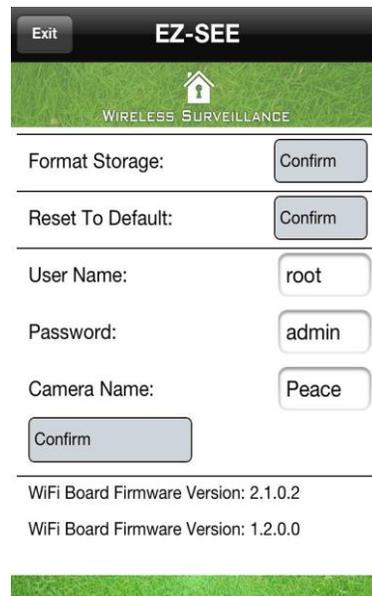
▶ **User Name, Password and Camera Name**

1. Change any single field or any combination of the three
2. To save your changes, press “confirm”

Android



iOS



3. You will see the Firmware Version of the device on the bottom of the page.

Wi-Fi Setup

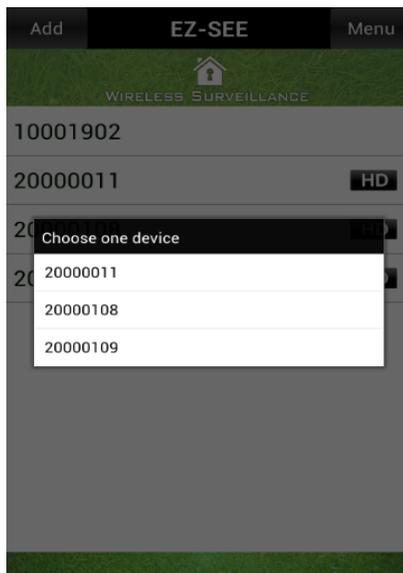
- ▶ Please refer to page 8.

Alert Setup and Notifications

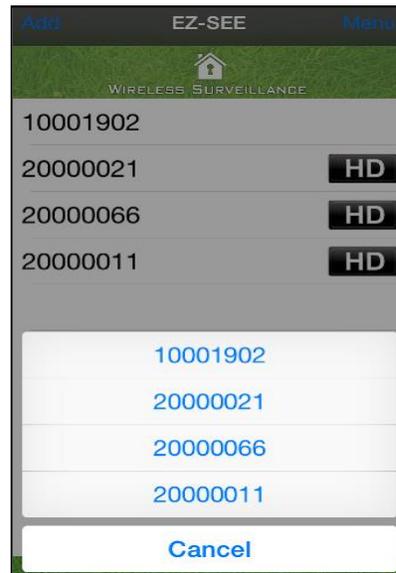
- ▶ When a movement is detected by the camera, an alert can be instantly sent to your smart phone or tablet. *Note: The camera will only send alerts when a memory card is inserted and the schedule is set to motion*

1. Select the camera you would like to have send alerts.

Android

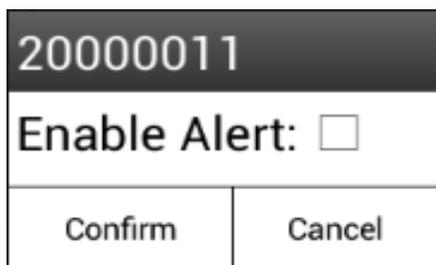


iOS



2. To enable alerts, tap the toggle to the right of "Enable Alert," then press "Confirm"

Android

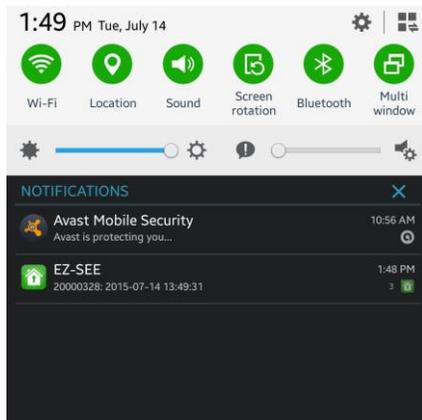


iOS

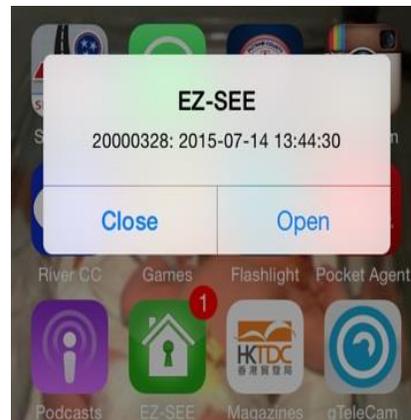


- When an alert is received from a camera, a notification will appear on your smart phone or tablet.

Android



iOS



- If the EZ-SEE App is open to the camera list when an alert is received, the camera ID will also flash Green in the camera list.

Android



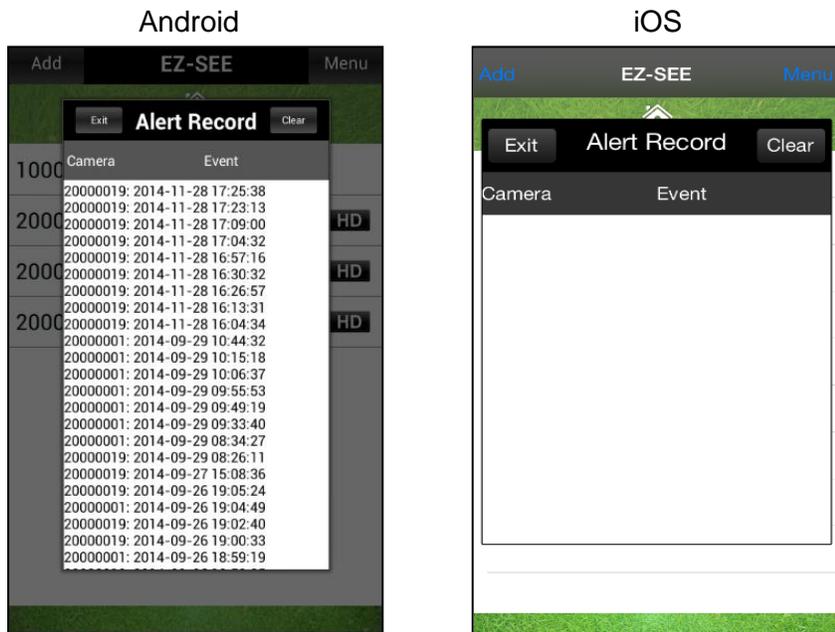
iOS



- To disable alerts, repeat steps 1 & 2 for any cameras that have alerts enabled.

Alert Record

- ▶ Alert Record is a list of your camera alert history



About

- ▶ This shows the version number of the EZ-SEE App installed on your smart phone or tablet



Playback

1. With the device powered off, remove the micro memory card from the board.
2. Place the memory card into an adapter or card reader on a computer
3. Navigate to the recorded video files.
4. Use a media player such as Windows Media Player or VLC (www.videolan.org) to playback the video files.
5. Backup, save, or delete the files as desired.
6. Use the computer's safe remove function to safely release the memory card from the operating system prior to physical removal in order to prevent corruption of the memory card and any remaining files.

LED Indicator Light

*The LED indicators on board will follow below behavior:

Power Indicator (Red LED)	 On Power on P-to-P Mode	 Blinking Slow Blinking (1s) Internet Mode	 Off Power off
Memory Card Indicator (Green LED)	 On System ready and memory card is working normal	 Blinking Fast Blinking (0.25s) memory Card Full Slow Blinking (1s) Recording	 Off Memory card is abnormal or not working

Frequently Asked Questions

Q. What size memory cards can I use in this device?

A. Most memory cards, of up to and including 64GB capacity, are supported. If a memory card does not appear to work, try removing and formatting the memory card using a computer before trying it in the device again.

Q. Why did I not get a recording when I know there was motion in front of the device?

A. The motion was not detected because it was too little, too quick or too far away. Make test recordings to discover the limits of detection in your given placement and environment.

Q. Why will my video file not play or the file is corrupted?

A. If the device is not properly powered down prior to removing the memory card, the files on the memory card, or the memory card itself, may become corrupted. Make sure to always properly power down the device before attempting to remove the memory card.

Q. Why do I only see part of my desired surveillance target?

A. Placement of any device is a very important step in setup. Be sure to make test recordings of the desired area of surveillance prior to final setup to ensure the device can perform as desired in your given environment. This should not only include what area can be captured by video, but also testing the ability to properly trigger recording in the area if using Motion Detection mode.

Q. Why am I having trouble viewing my live remote-view my camera?

A. There is a minimum amount of internet bandwidth required on both the transmitting and receiving side connections. For D1 resolution, each connection will need a minimum bandwidth speed of 1Mbps. For HD resolution, each connection will need a minimum bandwidth speed of 1.5Mbps.

Q. Why can't I find my recorded files on my memory card?

A. Recorded files are saved inside folders on the memory card. As with almost all video and photo devices, the files are saved inside a folder named **DCIM**. On this device, the files are actually saved within folders that end in the digits for month and day, found inside the DCIM folder. Within those dated folders, the files are saved in numerical sequence of their occurrence.

Q. What media player software should I use to playback the recorded files?

A. The recorded files are in the .AVI format, which is able to be played back on software such as Windows Media Player and others often pre-installed on a personal computer. If you are having trouble with playback, try downloadable software such as the free open-source player VLC (videolan.org). (If the files are put on a CD or DVD, some DVD or Blu-ray players are able to directly playback the .AVI format – please consult your device’s user manual for compatibility.)

Q. How do I reset my unit back to the way I got it?

A. Restoring the unit to its factory default settings can be done in the EZ-SEE App – see Page 17.

For units that have Night Vision (IRs); not all Zone Shield® Wi-Fi units come with this option, please check your receipt:

Q. Why are my Night Vision images not that bright?

A. Covert placement of the camera and IR sensor affect image quality in each individual product form. Move the unit to different locations to test the video quality. You will experience pixilation with any night vision camera. SleuthGear® strives to maintain a balance between creating a reliable hidden camera and recording in extreme low light conditions.

While SleuthGear® makes a concerted effort to test Night Vision products in different low-light situations, we cannot replicate every possible lighting environment at a customer’s location.

Specifications

Operation Temperature	0°C ~ 50°C (32°F ~ 122°F)
Video Resolution	HD (1280*720) D1 (720*576 PAL / 720*480 NTSC)
Video Format	AVI
Video Compression	H.264
Video Recording Schedule	Motion / Continuous / None
Recording Frame Rate	1, 2, 3, 4, 5, 10, or 15 fps
Wi-Fi Standard	802.11b/g/n
Antenna Gain	3 dBi
Recording Storage	Micro SD Memory Card
Audio Recording	Optional (Law Enforcement/Export only)
Audio Output	Analog 1 Channel Output
Power Consumption (while recording)	Nominal 3.48W
Motion Post Recording	5, 10, 15, 20, 60 seconds
Video Storage Mode	Full-stop or Overwrite
Low-Lux Environment	Supported
Field of View	140°



ZONE SHIELD® Wi-Fi

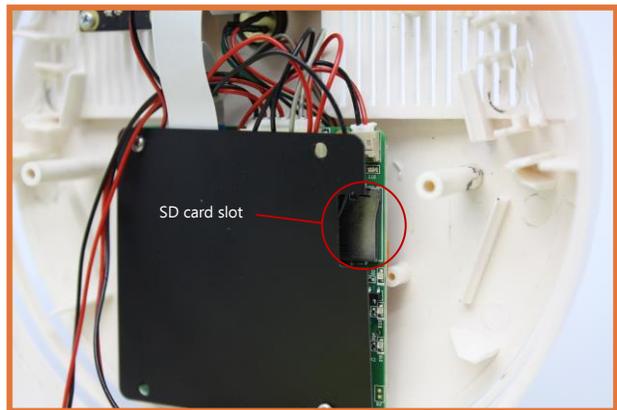
Cloud Based Hidden Video by SleuthGear®

Pictures

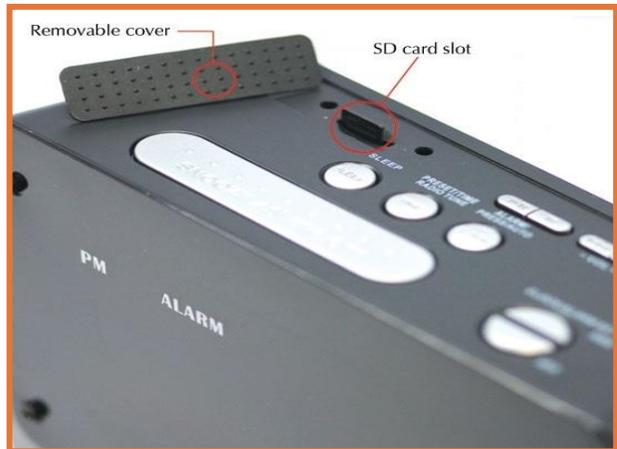
Wall Clock



Smoke Detector



Clock Radio





Manufacturer's Limited Warranty

Manufacturer warrants all Covert Video and Sleuth Gear Hidden Video Products (Product) assembled and sold by Manufacturer to be free of defects in material and workmanship, subject to the following conditions. The duration of Manufacturer's warranty with respect to the Product is limited to one (1) year from the date of sale to the original consumer purchaser only for Products delivered within the fifty (50) states of the United States, District of Columbia, or the possessions and territories of the United States

No other express warranties are made with respect to any Product. All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited to the warranty period set forth above. This warranty is not transferable and applies only to the original consumer purchaser of the Product.

Manufacturer will, as its sole obligation under this warranty, replace or repair, at its option, any Product that does not conform to this warranty. Under no circumstances will the Manufacturer issue credit or give a refund for Product covered by this warranty. Furthermore, under no circumstances will Manufacturer be liable for any incidental or consequential damages under this warranty or any implied warranties.

What is not covered:

This limited warranty does not cover Products that in Manufacturer's judgment have damage resulting from any (i) deviation from Manufacturer's operating instructions as printed in Manufacturer's catalog or on any packaging, labels or other literature provided with a Product, (ii) installation of a Product in a manner which is inconsistent with Manufacturer's written instructions, (iii) alteration, modification of or tampering with a Product, (iv) misuse, (v) neglect, (vi) abuse, (vii) accident, (viii) power surge, static electricity or other electrical discharge, (ix) normal wear and tear, (x) commercial use, (xi) service by anyone other than a Manufacturer authorized repair facility, or (xii) other improper application, installation or operation of the Product. Or, (xiii) have been purchased from inventory clearance or liquidation sales or other sales in which Manufacturer expressly disclaims its warranty obligation pertaining to the Product.

How you (the Customer) can get service:

To obtain warranty service during the warranty period, you must return the defective Product with the original receipt to the original place of purchase. Contact them for return instructions. If warranty service is needed at any time during the warranty period, the purchaser will be required to furnish a sales receipt/proof of purchase indicating the date of purchase, amount paid and place of purchase. Customers who fail to provide such proof of purchase will be charged for the repair of any Product.

How state law relates to the warranty:

Some states do not allow limitations on how long implied warranties last, or the exclusion or the limitation of incidental or consequential damages. So the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights that may vary from state to state.

NO PERSON IS AUTHORIZED BY MANUFACTURER TO MODIFY OR ADD TO THIS LIMITED WARRANTY.

For warranty information on Products delivered outside the United States please contact the original place of purchase.

DO NOT ATTEMPT TO RETURN PRODUCT TO ORIGINAL MANUFACTURER, AS THIS PRODUCT HAS BEEN MODIFIED AND IS NO LONGER SUBJECT TO ORIGINAL MANUFACTURER'S WARRANTY. IN THE CASE OF A DEFECTIVE PRODUCT, CONTACT PLACE OF PURCHASE FOR RETURN PROCEDURE.

IT IS THE USER'S RESPONSIBILITY TO ENSURE THAT THIS EQUIPMENT IS USED IN ACCORDANCE WITH THE LAW(S) OF THE JURISDICTION IN WHICH THIS EQUIPMENT IS UTILIZED.

THIS PRODUCT MAY BE SUBJECT TO THE JURISDICTION OF THE U.S. WIRE AND COMMUNICATIONS ACT (18 UNITED STATES CODE §§ 2510-2522) (HEREINAFTER REFERRED TO AS "ACT") REGARDING SURREPTITIOUS RECORDING DEVICES. THE USES OF SUCH PRODUCTS ARE REGULATED BY THE ACT. ADDITIONALLY, THE LAWS OF SOME STATES, COUNTIES, CITIES OR LOCALITIES MAY PROHIBIT THE POSSESSION AND/OR USE OF THIS OR SIMILAR PRODUCTS. IT IS THE RESPONSIBILITY OF THE RETAIL BUYER AND/OR FINAL CONSUMER (HEREINAFTER REFERRED AS "BUYER") TO ASCERTAIN, UNDERSTAND, AND OBEY ANY AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS REGARDING POSSESSION AND USE OF THIS PRODUCT. BY PURCHASING THIS PRODUCT THE BUYER REPRESENTS THAT IT WILL INDEMNIFY THE MANUFACTURER AND/OR DISTRIBUTOR AND HOLD THEM HARMLESS FOR ANY POSSESSION, USE AND/OR MISUSE THAT VIOLATE ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION REGARDING AUDIO AND/OR VIDEO DEVICES. BUYER AGREES TO CONSULT WITH AN ATTORNEY AT LAW REGARDING POSSESSION OR APPROPRIATE USE OF A COVERT DEVICE. NOTE THAT LAWS AND REGULATIONS VARY FROM STATE TO STATE. IF BUYER EXPORTS THIS PRODUCT, THE BUYER WILL COMPLY WITH US EXPORT CONTROL LAWS AND ANY APPLICABLE DEPARTMENT OF COMMERCE, STATE AND TREASURY REGULATIONS GOVERNING EXPORTS AND SALES TO PROHIBITED END USERS. DIVERSION OR RE-EXPORT CONTRARY TO U.S. LAW IS PROHIBITED. BUYER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS GOVERNING THE SALE OF THIS PRODUCT, INCLUDING U.S. EXPORT CONTROL LAWS AND THE U.S. DEPARTMENT OF COMMERCE AND TREASURY REGULATIONS GOVERNING SALES TO PROHIBITED END USERS.

PART 15 LOW POWER: ANY CHANGES OR MODIFICATIONS TO THIS EQUIPMENT WITHOUT THE EXPRESS AUTHORIZATION OF THE MANUFACTURER COULD VOID THE USER'S AUTHORITY TO OPERATE THIS EQUIPMENT (RULE 15.21 OF THE FCC).

THIS EQUIPMENT HAS BEEN TESTED AND HAS BEEN FOUND TO BE IN COMPLIANCE WITH THE LIMITS FOR A CLASS B DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTIONS AGAINST HARMFUL INTERFERENCE IN A RESIDENTIAL INSTALLATION. THIS EQUIPMENT USES, GENERATES AND CAN RADIATE RADIO FREQUENCY ENERGY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH INSTRUCTIONS, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS.