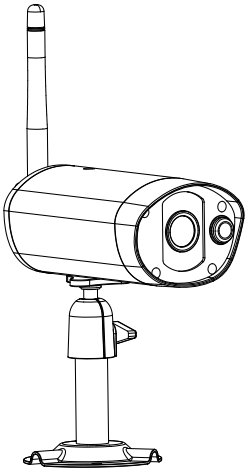
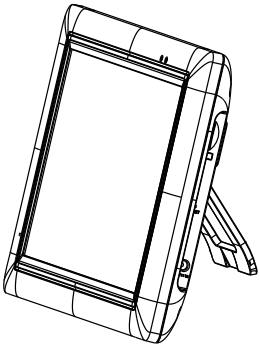
VIDEO SECURITY SYSTEM

Installation and Operation Instruction Manual





Model: CS96DVR

Version 1.0

This manual should be retained for future reference

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IMPORTANT NOTICE

PLEASE READ BEFORE YOU START

Always use discretion when installing CCTV equipment, especially when there is perceived policy. Enquire relevant local regulations applicable to the lawful installation of video recording/surveillance. Third party consent may be required.

WIRELESS DEVICES OPERATING RANGE

Ensure the signal reception viewed from the wireless camera(s) is the best possible reception between the camera(s) and receiver. If necessary, reduce the distance between the camera(s) and receiver to improve overall system performance. Wireless Color Camera Recordable CCTV Kit operating on a secure digital 2.4GHz frequency which could greatly reduce interference from product such as wireless routers, cordless phones or microwave ovens.

IMPORTANT SAFETY PRECAUTIONS

Damages caused by non-compliance with this operating manual will void the warranty! We will not assume any liability for damages to items or persons caused by improper handling or non-compliance with the safety notices! Any warranty claim will be null and void in such cases.

1. Do not drop, puncture or disassemble the camera; otherwise the warranty will be voided.
2. Avoid all contact with water, and dry hands before using.
3. Never tug on the power cords. Use the plug to unplug it from the wall outlet.
4. Do not expose the camera to high temperature or leave it in direct sunlight. Doing so may damage the camera or cause camera temporary malfunction.
5. Use the devices with care. Avoid pressing hard on the camera body.
6. For your own safety, avoid using the camera or power off the camera when there is a storm or lightning.
7. Remove the power adapter during long periods between usages.
8. Use only the accessories and power adapters supplied by the manufacturer.
9. To meet the regulations pertaining to parental responsibility, keep the devices out of the reach of infants.
10. Check power cables, do not get crushed or damaged by sharp edges whenever the devices are in operation.

FCC Compliance Statement: This device complies with Part 15 of the FCC rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Products with CE Marking comply with EMC Directive (2004/108/EC); Low Voltage Directive (73/23/EEC); R&TTE(1999/5/EC); ROHS Directive (2011/65/EU) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:
EMC: EN 301 489
LVD: EN 60950
Radio: EN 300 328

FCC/CE WARNING

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules and ETSI(EN) 300328. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Move the equipment away from the receiver.
-Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/television technician for additional suggestions.

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

DISPOSAL

If the camera system no longer functions or can no longer be repaired, it must be disposed of according to the valid statutory regulations.
Disposal of spent batteries/accumulators:
You are required by law (Battery Ordinance) to return all spent batteries and accumulators. Disposing of spent batteries/accumulators with common household waste is prohibited! Batteries/accumulators that contain hazardous substances are marked with the symbols on the side. These symbols indicate that it is prohibited to dispose of these batteries/accumulators in the household waste. The abbreviations for the respective heavy metals are: Cd=cadmium, Hg=mercury, Pb=lead. You can return spent batteries and accumulators that can no longer be charged to the designated collection points in your community, outlets or wherever batteries or accumulators are sold. Following these instructions will allow you to fulfill the legal requirements and contribute to the protection of our environment!

- System “Device ID” and “Password” are provided on a label applied at the back of the LCD Monitor (behind the pull out stand).

  The “Device ID” and “Password” are needed for remote viewing.
  For security purpose, it is recommenced for user to copy the “Device ID” and “Password” information to the user manual, following by removing the label containing the “Device ID” and “Password” information.

  Please keep the device ID and password information in a safe place for future reference.

REQUIREMENTS FOR REMOTE VIEW

Supported Device

- iPhone / iPad / iPod Touch w/ iOS 5.0.1 or above
- Android smartphone / tablet v2.3X or above"

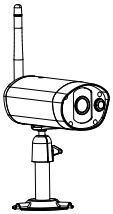
Note: Not suitable for Windows or Blackberry Smartphones

Recommended minimum internet upload speed

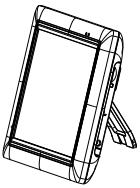
512Kbps upload speed (or bandwidth) to achieve up to an average of 2FPS viewing speed. Average viewing speed will depend on other restrictions by your ISP (internet service provider).

KIT CONTENT

A Wireless Camera w/ stand x 1

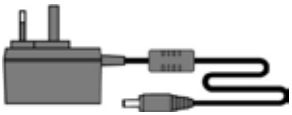


B Wireless Touch Screen LCD Monitor w/ Cradle x 1



C Camera Antenna x 1

D 5V/1A Power Adapter for Camera x2



E Internet Cable x 1

F Screw Bag x 1

G QSG x 1

Tools Required:

- Electric drill
- 5mm masonry drill bit
- 15mm masonry drill bit
- No. 2 Philips screwdriver

SAFETY AND INSTALLATION TIPS

Installation Notes

Always follow manufacturer's advice when using power tools, steps, ladders, etc and wear protective equipment (e.g, safety goggles and gloves) when drilling holes, etc.

When using ladders ensure they are positioned on a firm stable surface at an angle and suitably secured. Check for hidden electricity wires or water pipes before drilling any holes. If in doubt use a cable/pipe locator. It is recommended to avoid exposing the camera to extreme weather conditions (e.g, under a gutter which is prone to water leaks). After drilling any holes through an external wall for a cable, ensure the hole is sealed up using a suitable sealant to prevent drafts.

To prevent a fire or electrical shock hazard, do not attempt to open the housing while the camera is exposed to rain water or wet conditions. Do not expose any wiring connections to weathering. If terminating any wiring connections outdoors then use a suitable weathering box to insulate the connections.

There are no user serviceable parts inside. Refer servicing to qualified service personnel.

LCD Touch Screen Monitor

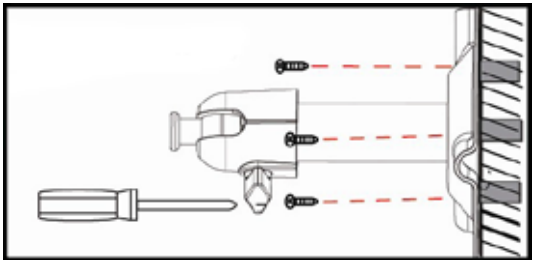
- keep away from heat sources and high temperature places
- Avoid direct sunlight
- Avoid humid places
- Avoid vibration
- Install in a ventilated environment
- The supplied SD card can be replaced with up to a 32GB SD card if required

Camera Installation

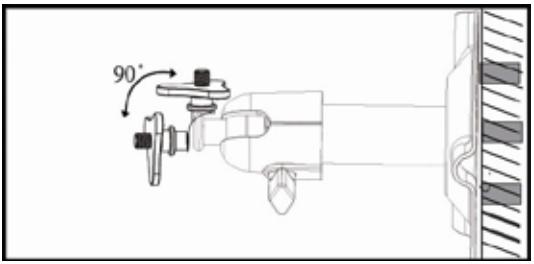
- Avoid positioning the camera so that it is facing directly at the sun as this will impair the picture quality viewed.
- Avoid pointing the camera lens directly through clear glass as the night vision LEDs will cause a blurred image at night.
- Avoid pointing the camera directly at any bushes, tree branches or moving objects that might naturally move due to winds. This is also because if you need to use the motion detection feature in the PC software to record movement the software might record unnecessarily.

NOTE: The camera has an open field RF operating range of up to 150m.

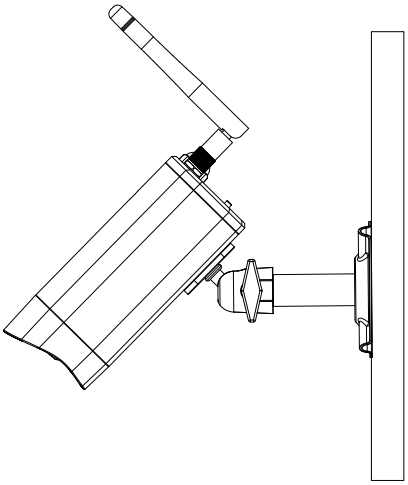
Camera Installation



Secure camera stand on the stable surface



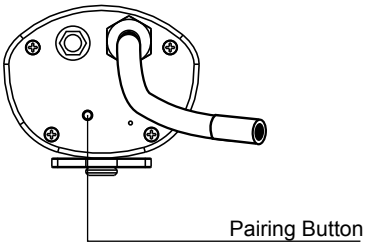
Loosen up the Thumb screw



Adjust proper view angle then secure the joint with T-bolt.

Pairing the Camera to Monitor

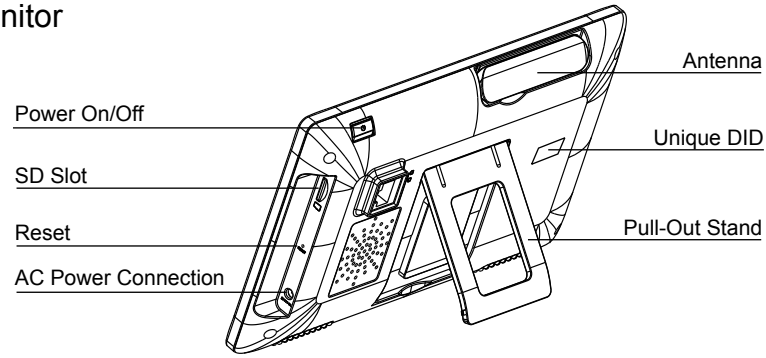
Follow the steps in *Camera Setup* section to setup or change the channel of the camera. If you are adding another camera to link with the supplied monitor in this kit, then ensure its channel is set to a different channel to the existing camera(s).



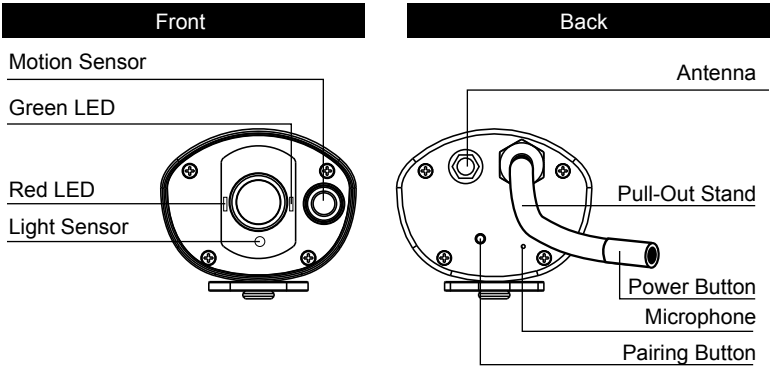
Note:
If the camera is located within 1m to 1.5m from the monitor and the camera's volume of the monitor is turned on, then you may hear a whistling noise on the monitor which is the feedback picked up by the microphone. In this case please locate the camera further away from the monitor to prevent this noise.
If the power connection to the camera is kept outdoors, ensure the connection is suitably protected.

GETTING TO KNOW THE MONITOR AND CAMERA

Monitor



Camera



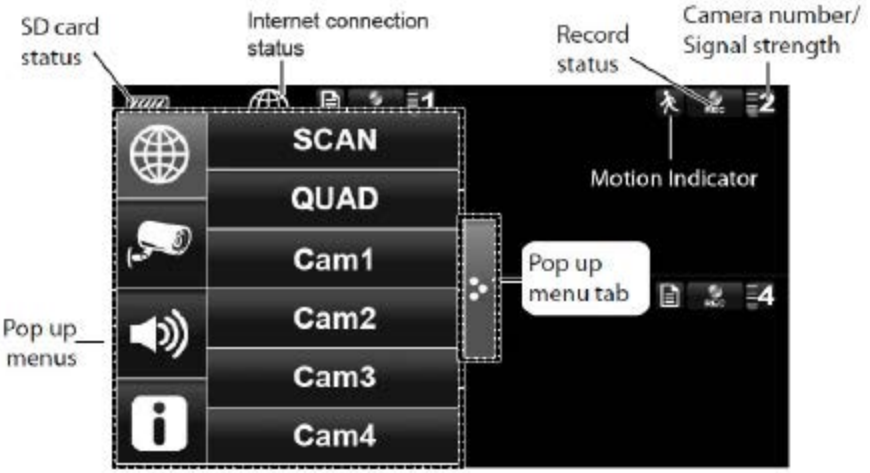
WHAT THE LIGHTS MEAN

Light	State	What it means
Power status	On (Red)	The camera is on.
	Off	The camera is off.
Link status	Flashing	The camera is in pairing mode.
	On (Green)	The camera is connected to the monitor.
	Off	The camera is in standby.

SYSTEM INTRODUCTION

Your monitor's system software operates through a series of screens that let you choose groups of operations. For example, when you tap on the camera icon in the Pop-up menu, you can set how you want the main viewing screen, "the Live screen" to display images from the paired cameras. You can scan between cameras, show all cameras on a single screen (Quad view), or only display specific camera.
The Live screen lets you view the camera transmissions. It also lets you set up your screen display and make adjustments to it. Icons on the screen itself let you monitor power and camera status.

LIVE SCREEN



ICON		WHAT THE ICON MEANS
	Camera Mode	Select how you want the Live screen to display camera input: Scan between cameras (5 seconds) Quad view (all paired cameras display) Full view (1 camera displays on full screen)
	Volume	Adjust the volume level.
	System Settings	Access the system software operation and setting page or view recorded events.
	SD Capacity	Indicates memory capacity remaining.
	Camera Number	Displays the camera number and signal strength through the status lines to the left of the number.
	Record Status	Tap to start or stop recording for that camera • Steady on - Not recording • Flashing - Recording
	Connecting to the Internet	Connecting your system to the internet.
	Internet Connected	Connects your system to the internet.
	Intranet Connected	Connects your system to the intranet.
	Remote View	Indicates remote viewing is in process.
	Motion	System indicates motion detection recording in progress.
	Scheduled	System indicates scheduled recording in progress.
	Pop Up Menu Tab	Opens and closes the pop up menu display.
	No SD Card Indicator	Displays red when the SD card is not present or is damaged.
	Zoom	Zoom in / out of a particular section of the live video

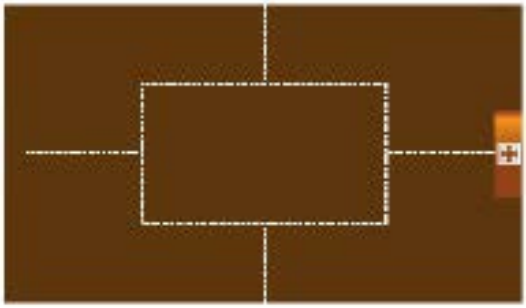
Live Screen Displays

The Live screen displays in 2 views - Quad View or Full View. Quad View displays the images in 4 quadrants (only display camera that is ON). Tap a quadrant to display single camera view / full view. Tap on that image again to return to Quad View.

Zoom Feature

To zoom into a particular area,

1. Go to full view, then tap to activate zoom mode.
2. Select the zone by tapping the zone area to view zoom in screen.



Recording Live Video

1. On the Live screen, tap

for the camera to begin recording.
2. Tap it again to stop recording.

You can record all cameras at the same time. With manual recording, each recording session (video clip per camera) is two minutes in length**.**

Playing Back Recorded Video

From the pop-up menu, tap the following icons

The Record List screen displays:

1. Tap on the highlighted day containing the recording you want to view.
   The *Record List* screen will display that day's recordings listed in a folder.
   If you tap on a day that is not highlighted, a folder displays with no recordings listed.
2. Tap on the recording you want to view. It displays on the screen.
3. Tap on any area of the screen that does not have control icons to bring up the playback progress bar. Tap that area again to close it.
4. While playback progress is visible, you can fast forward/rewind by dragging the playback bar.
5. When playback ends, tap or to return to the Record List.

SYSTEM MENU

From the pop-up menu, tap the following icons

The Main Screen displays:

The SYSTEM MENU highlights the Camera Setup option as the default.

Main Screen	Sub Screens	What it Does
Camera Setup	Camera Setup	Pairs new cameras to the monitor.
	Camera on	Makes the cameras visible to the monitor.
	Brightness	Brightens or darkens the video of that camera.
Recorder Setup	Motion Detection	Records when something moves in front of the camera. Continues recording for 2 minutes.
	Schedule Record	Set up a schedule for pre-determined recording times and lengths.
Network Setup	Internet Setup	Select the type of internet connection to be used.
	Security Code	Set a security code for remote access. Default security code is 123456.
	Network Information	Displays information about your network and the receiver's unique DID number.
Alarm Setup	Period	Set a length of time for the alarm to sound.
	Melody	Select a melody to play for the alarm.
System Setup	Power Saving	Temporarily turns off the LCD after the system is idle for 2 minutes to conserve power.
	Screen Auto Lock	Locks the screen from further activity until the screen is unlocked.
	Time	Set the time in 12-hour increments.
	Format Storage	Formats / erases all the data on the SD card.
	System Upgrade	Upgrades the monitor firmware.
	Default	Lists the original system defaults.
Quick Tips	N/A	Provides a list of 10 common questions.

Camera Setup Screen

Tap on camera setup.
This screen should display:

Camera Pairing

To add new camera(s) to your monitor, you have to pair it to preferred channel(s).

From the pop-up menu, tap the following icons

The Main Screen displays:

1. Tap the camera channel you want to pair. A processing icon displays for a 60 second countdown.
2. Press and release the Pairing button on the back of the camera (please refer to the *Getting to Know the Monitor and Camera* section). The system will indicate pairing is successful when pairing completes.
3. The system will automatically adjust the *Camera On* screen.

Camera Activation

When you add a camera to your monitor, the system will turn on the camera automatically.

From the pop-up menu, tap the following icons

The screen displays:

An **X** indicates a camera is OFF, a indicates ON. Tap on the camera to turn it ON or OFF.

Brightness

From the pop-up menu, tap the following icons

The screen displays:

Tap the camera to change brightness level. The default brightness is 0, and the range is from -2 through 2.

Recorder Setup Screen

Motion Detection

From the pop-up menu, tap the following icons

The screen displays:

Tap a camera to set the sensitivity to Off, Low or High.
Default = low. The screen will return to the *Motion Detection* screen after 10 seconds or when you tap the " "

Email Alert (Also refer to "Internet Setup" on P.25)

The system can notify you when it detects motion from any camera by sending you an email alert. The email alert contains information such as the time that motion was detected and by which camera. In order to enable the Email Alert function, you must enter both incoming and outgoing email addresses and must connect the monitor to the router via Ethernat cable

We strongly recommend you use Gmail to set up as the outgoing email server.

The outgoing email server (SMTP server) is responsible for sending out the email notification to tell users when the system detects motion from any camera (Motion

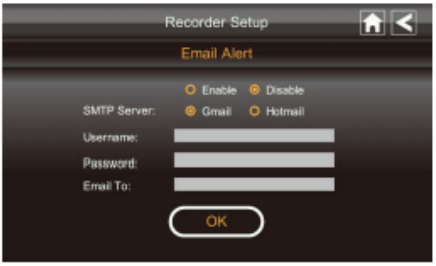
Detection must be activated).

The incoming mail server (Email To) receives the email notification sent from the system. User must be able to receive email on a Windows PC or mobile device to receive e-mail alerts. When you receive an email alert, you can view live video from through apps. Free apps are available:

For Android smart device, search for: OMGuard HD on Google Play
For iOS smart device, search for: OMGuard HD on Apple Store

From the pop-up menu, tap the following icons as they appear on the screens:

The screen displays:



1. Tap Enable to activate Email Alert or Disable to deactivate it.
2. Tap on the SMTP Server field. A keyboard screen displays.

3. Enter your outgoing e-mail SMTP server (example: johndoe@gmail.com). You can switch the keyboard from alphabetical characters to numbers/symbols and back again by tapping the field to the left of the space bar. Tap Return. The Email Alert screen displays again.
4. Repeat the previous step for the Password field. Tap Return. The password entered here must be the same password as the password for the outgoing email account.

5. Repeat Step 3 for the Email To field. Only one incoming email account will be accepted by the system. The incoming email account can be different from the outgoing email account.
6. Tap OK to save the settings, then tap to return to the previous screen.
   If you are using Gmail as the outgoing SMTP server, check SSL and use the data in the following table:

For Gmail		
SMTP Server	Smtp.gmail.com	Enter this.
SMTP Port	465	Enter this.
Username	XXXX@gmail.com	Enter your gmail address in full, including @gmail.com.
Password	XXXXXXXXXX	Enter the password for this gmail account.
Email to	XXXX@gmail.com	Enter the email address where you want the alerts sent.

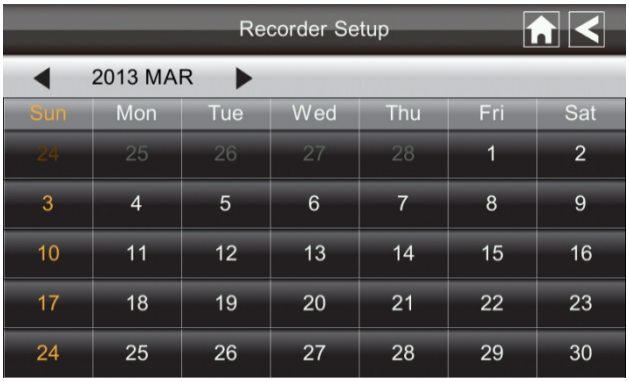
Schedule Record

Up to 5 scheduled recording sessions available in a single day. You are limited to the size of the SD card for how long a total recording time you have. These recording sessions must begin and end within a single 24-hour period. They cannot cross into the next day.

From the pop-up menu, tap the following icons

The Schedule Record screen displays:

1. Tap the camera/channel number you want to record (1 - 4). Multiple cameras can be selected.
2. Set the recording start and end time. Tap the hour and minutes boxes separately and use the UP and DOWN arrows to scroll through the times.
3. Tap the AM/PM block to toggle between them.
4. Tap on the blank DATE box. The *Schedule Record Calendar* screen displays.



5. Tap on the date you want the recording. The previous screen displays.
6. Set up the recording and then tap Save. You can select another recording session to schedule.

Clear a Scheduled Recording

1. Access the *Schedule Record* screen.
2. Tap on the scheduled recording you want to clear (1-5). The screen displays the settings for that schedule.
3. Tap CLEAR. The screen resets to the default values for that recording slot.

Network Setup Screen

The *Network Setup* screen allows you to select your internet type, set a security code. You can also display system default configuration.

From the pop-up menu, tap the following icons

The Network Setup screen displays:

Internet Setup

1. Tap Internet Setup icon to display the *Internet Setup* screen.

2. Tap on your selection and fill in the fields requested. Tap OK.

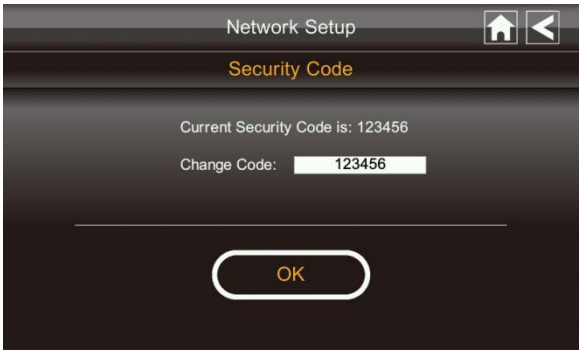
Selection	Fields
Static IP	- IP Address - Subnet Mask - Default Gateway - DNS Server
DHCP	None

3. Tap OK at the system reboot prompt. The Network Setup screen displays.

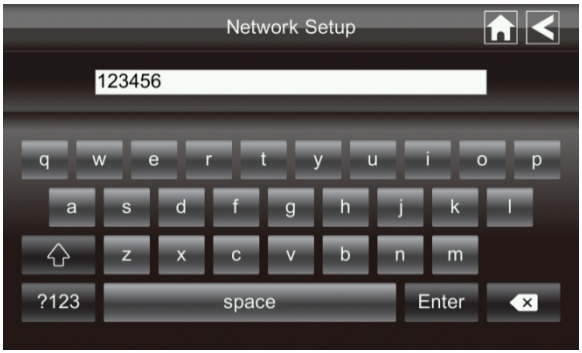
Security Code

Set up your security code to limit who can have access to the system from a remote location.

1. Tap Security Code icon to display the *Security Code* screen.



2. If you have previously entered a code, the screen will display your current code
3. Tap on the change code field, a key board screen displays.

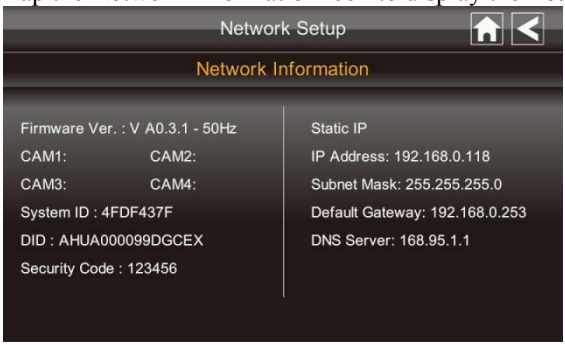


4. Enter your security code.
5. Tap OK. The system will return to Network Setup screen.

Note: Security code must be entered to gain remote access. To protect your privacy, please be sure to change the default password 123456 into your personal security code.

Network Information

1. Tap the Network Information icon to display the *Network Information* screen.



2. Tap the BACK arrow to return to the previous screen.

Note:
The DID is a unique code specific to your monitor and is required to gain remote access to your cameras over the internet.
The information in the DHCP setting is assigned to your monitor from your home router.

Alarm Setup Screen

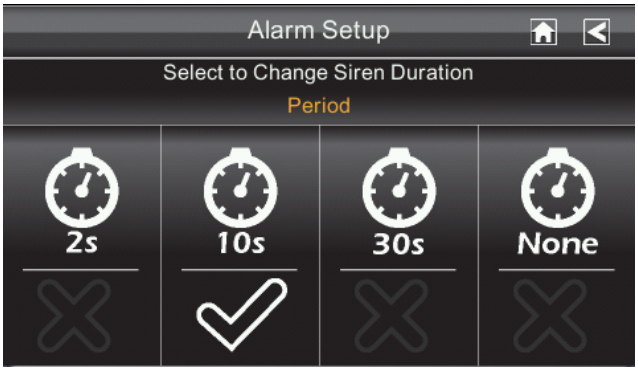
From the Alarm Setup screen, you can:

- Set the length of time the alarm sounds
- Select a melody for the alarm.

Period

This selection allows you to select the alarm/siren duration for Clock Alarm and Timer.

1. Tap Period. The *Set Siren Duration* screen displays.



2. Select the alarm duration time required
3. Tap the BACK arrow to return to the previous screen.

Melody

This selection allows you to select a melody for the siren.

1. Tap Melody. The *Change Siren Melody* screen displays.

2. Select the melody required
3. Tap the BACK arrow to return to the previous screen.

System Setup Screen

Power Saving

In Power Saving mode, the monitor will shut off LCD after idle for 2 minutes. Press Power button once to reactive the monitor.

If a motion detection event or scheduled recording begins, the LCD turns back on automatically.

1. Tap Power Saving Enable to activate power saving. Default is off.

2. A check mark appears on your selection.
3. Tap the BACK arrow to return to the previous screen.

Screen Auto Lock

In Auto Lock mode, the monitor will enter screen lock mode after it has been idle for 2 minutes. Auto Lock disables the touch screen and removed the icons from the display.

1. Tap Screen Auto Lock

2. Tap your selection; a check mark displays.
3. Tap the BACK arrow to return to the previous screen.

Note: From the Live screen, tap the Power button once to unlock the screen and return to normal touch screen operation.

Time

The *Time* screen lets you set up clock alarms, set the system time, and set a timer.

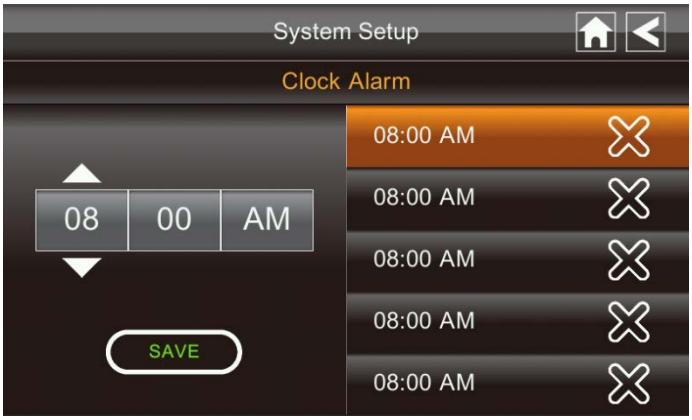
From the pop-up menu, tap the following icons

The screen displays:

Clock Alarm

This feature operates as an independent alarm clock. It does not affect the operation of live video or recording video.

1. Tap to display the Clock Alarm screen.



2. Tap on an alarm button (total of 5 to select from).
3. Tap on the hour/minutes block then UP/DOWN arrows to set the time.
4. Tap on AM/PM to toggle between the two.
5. Tap SAVE, then back.

Time Setting

This screen contains fields to set the Month, Day, Year, Hour, Minute and AM/PM.

1. Tap to display the Time Setting screen.

2. Tap on each field to set it. The UP/DOWN arrows shift to that field. Use UP/DOWN to set the field.
3. Tap on the AM/PM block to switch between the two.
4. Tap SAVE when you are finished.

Timer

This feature operates as an independent alarm clock. It does not affect the operation of live video of recoding video.

1. Tap to display the Time Setting screen.

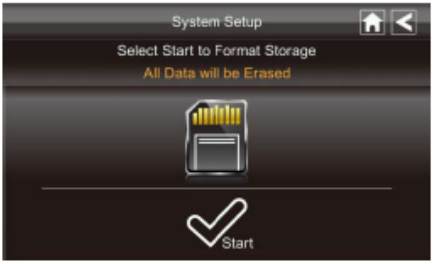
2. Tap on each field to set it. Use UP/DOWN to set the field.
3. Tap START to begin the time. When the time reaches 00:00, an alarm beeps until you tap OK.

Format Storage

When using an SD card other than the one provided, it is highly recommended that you format the card using these procedures. Formatting any SD card deletes all files on that card.

From the pop-up menu, tap the following icons

The Format Storage screen displays:



1. Tap on START; a warning statement displays.
2. Tap OK to proceed to format storage or tap CANCEL to discontinue.
3. The system will indicate success or failure.

System Upgrade

To upgrade the firmware from the vendor website, you must download and store it in the SD card root directory.

From the pop-up menu, tap the following icons

The screen displays:

Press the Start button to upgrade the firmware.

Language

English is the default language. If you change the language, all system settings default to the original factory settings. You will have to reenter any specialized settings.

From the pop-up menu, tap the following icons

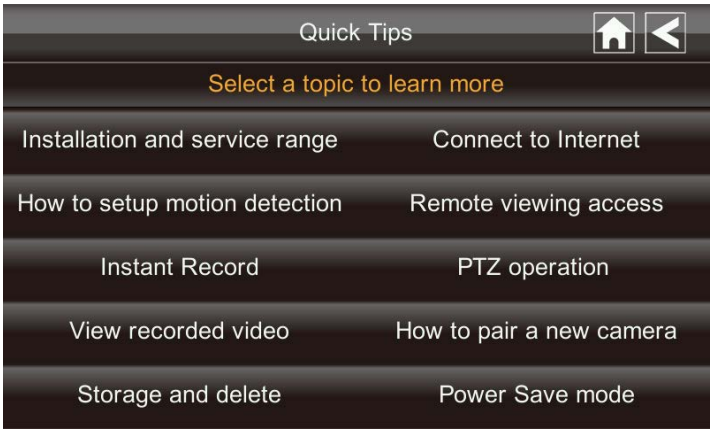
The screen displays:

1. Select the language required. The Restore Default Settings screen displays.
2. Tap OK to continue. The system will shut down in about 5 seconds.
3. When the system restarts, it will ask you to perform the touch screen calibration. Follow the instructions on the screen.
4. Select the frequency setting by tapping the frequency icon (50Hz /60Hz). Make sure the frequency setting complies with local electrical regulations.

Note: In general the frequency for Europe is 220-240 volt, at 50 hertz frequency

Quick Tips

The Quick Tips screen provides additional details on important subjects of system operation. Tap on a subject to display the information.



REMOTE ACCESS

Overview

This Video Security System lets you view live video from your iPhone, iPad, or Android smartphone or tablet. Free apps are available through the iTunes App Store or the Android Market.

Up to 2 remote users can access live video at the same time as long as they have the User ID (DID) code and security code.

Downloading Android APP

From your Android smart phone or tablet device, go to the Android Market and search for OMGuard.

Downloading iPhone APP

From your iPhone or iPad, go to the iTunes App Store and search for OMGuard

For iOS App Main Screen

Device List Section

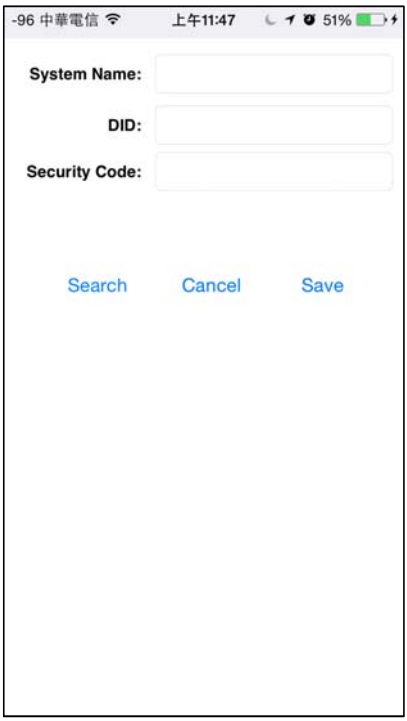
List of cameras added to the app. Scroll down for more if you have more than two cameras added.

Device list will display random snapshot of connected camera. If the camera is disconnected a "disconnected" icon will appear.

	Add Camera	Tap to add camera to app. You can setup personal Camera Name, enter DID and Security Code in this section.
	Camera Setting	Tap to bring up additional control functions, such as Camera Edit, Camera Delete and Camera Event List.
	Camera Refresh	Tap to refresh the connection of all available cameras added to the app.
	About	Tap to retrieve camera's firmware version and app version information. You can also setup the PIN Lock function in this section.

Add Camera

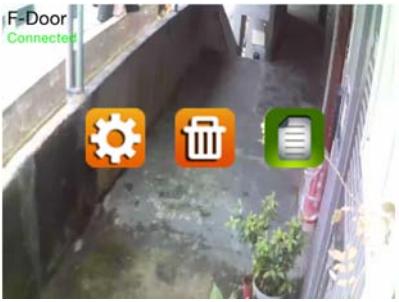
From the Main Screen, tap on Add Camera icon to bring up the Camera Setup section.



1. Enter preferred System Name – max. 20 characters.
2. Enter the DID assigned. The DID may locate on the camera or back of the monitor.
3. Enter the Security Code (default 123456). For security purpose please change the security code in the Advanced section.
4. Tap Save to exit Add Camera section. The new camera should appear in the Device List section.

Camera Setting

From the Main Screen, tap on Camera Setting icon to bring up the additional control functions.



Camera Edit

Camera Delete

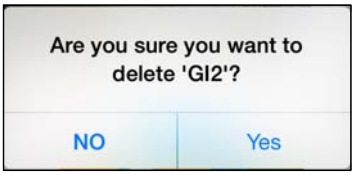
Camera Event List

Camera Edit

1. Here you can revise System Name.
2. Here you can turn Email Alert On or Off.

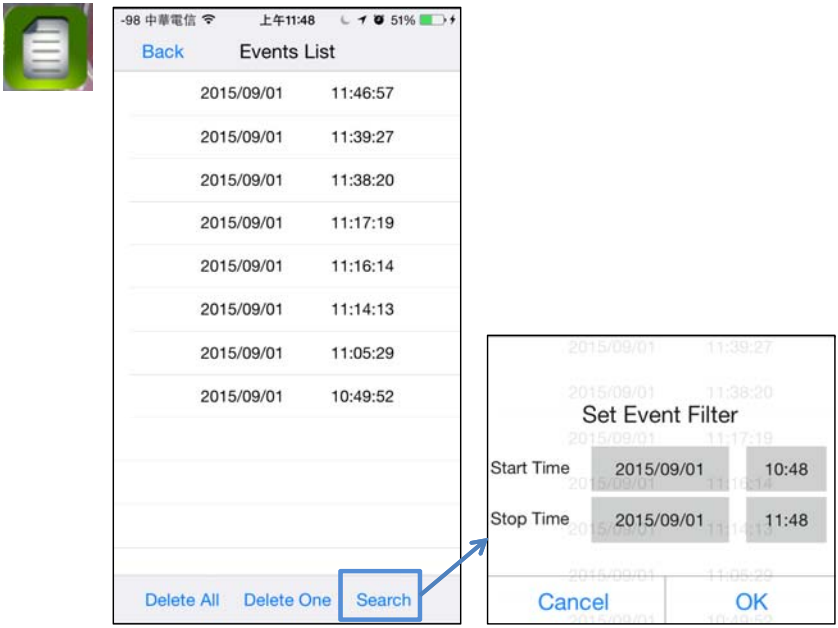
After altering the setting, tap Save to complete process.

Camera Delete



Tap on Delete icon and confirm camera delete via the popup.

Camera Event List



Tap on Camera Event List icon to bring up the event list section, where most recent event(s) will be displayed.

1. Here you can tap on Delete All or Delete One to remove the unwanted recorded video files.
2. Here you can tap on Search to locate available event(s) in a particular time period for playback.
3. Tap on Start/End time to select the time frame.

Event Playback

Once a particular event is selected the app will playback the recorded video file.

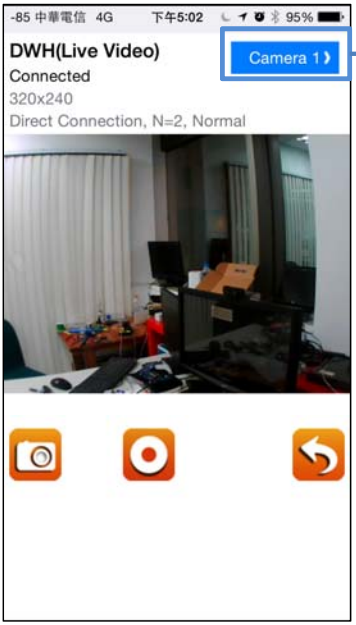
You can zoom in by using hand gesture.

Pause Playback

Return to Event List

Live-view

Tap a camera from the Device List to enter live-view section.



Snapshot (file stored in smart device)

Video Record (file stored in the memory card installed in the monitor)

Return to Main Screen

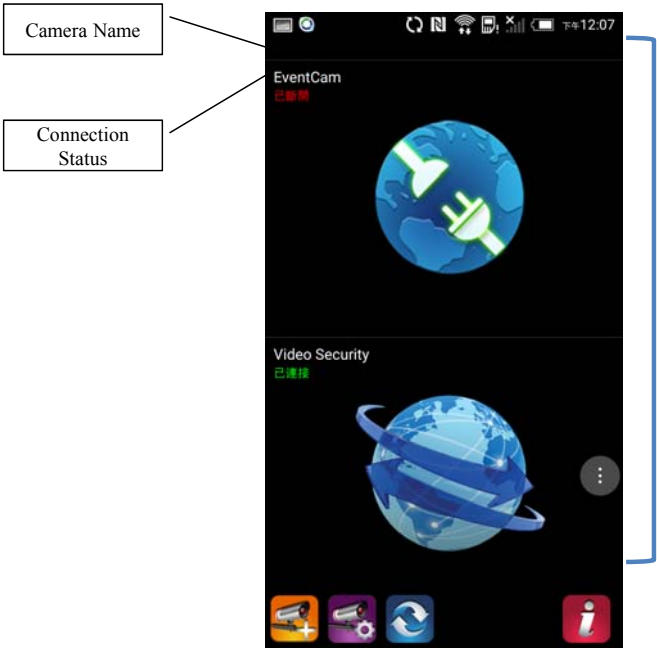
If you have multiple cameras setup, tap on Camera Select and tap on the camera you wish to view.

Connecting to the Internet

When you are connected to the internet, live video will continue to display on the monitor but the monitor's touch operation will become limited Monitor's touch operation will resume normal after disconnecting from the internet by removing the Ethernet cable connection with the monitor.

When system is connected with the internet, the Internet Connection Status Indicator appears on the upper left of the Live Screen, you can now view live video through your mobile device. >> While the system is connected to the internet, the Live Screen display rate may reduce to 2-3 frames per second. Anytime someone is connecting to the system via mobile device, the Internet Connection Status Indicator will indicate remove view is in progress.

For Android App Main Screen



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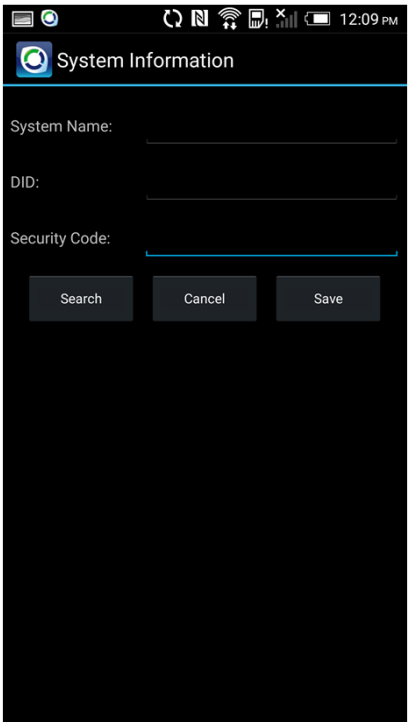

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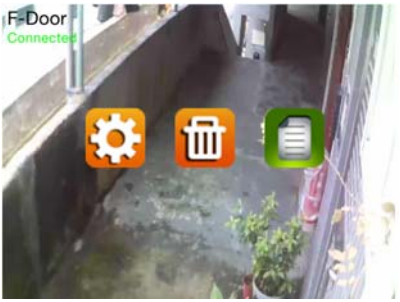

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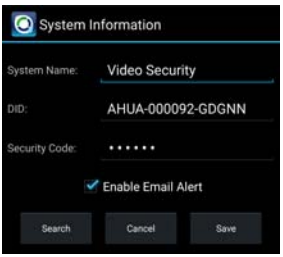
Camera Edit



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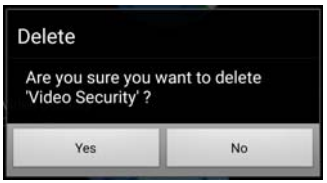

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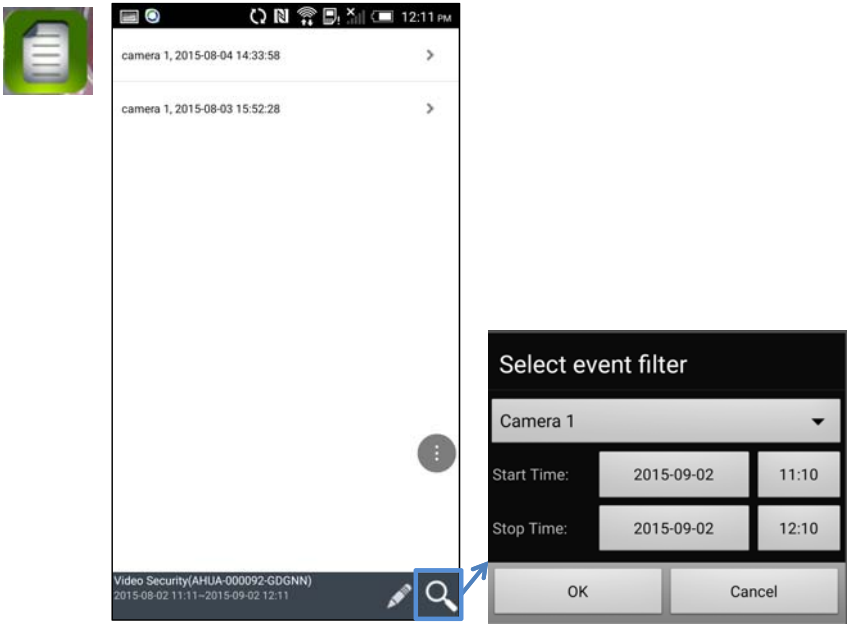

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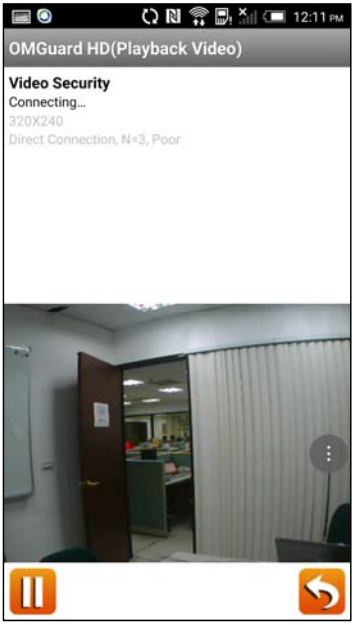

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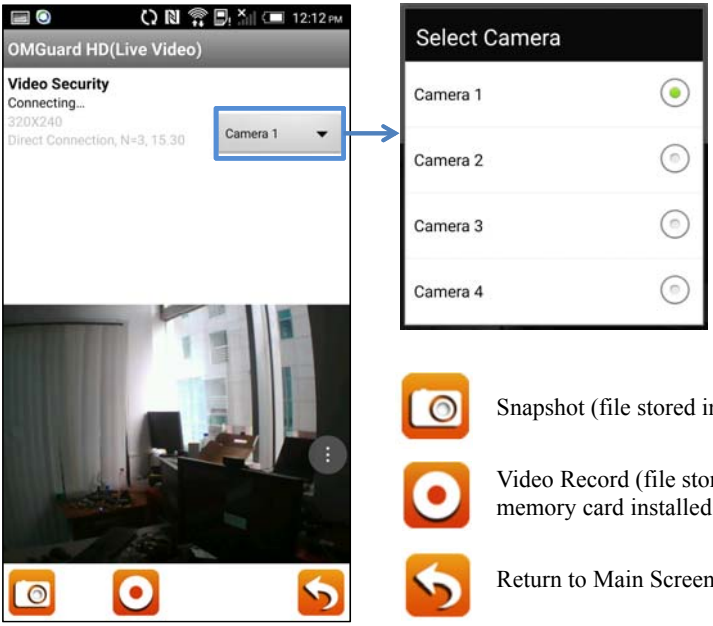

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MAINTAINING YOUR SYSTEM

Please make sure to upgrade your system firmware to the latest version. Check your system firmware version on the Network Information screen (please refer to the *Network Information* section).
Go to vendor website to check the current firmware version. Compare it with your system firmware version. If you need to upgrade your system firmware, download the latest firmware version to your SD card and then upgrade that firmware version to the monitor.

1. Eject the SD card from the monitor.
2. Place the SD card into a USB card reader/writer (not included with the purchased package).
3. Connect the flash drive to your PC.
4. Copy the latest firmware version from vendor website to your SD card root directory.
5. Remove the SD card and reinsert it into the monitor.
6. Upgrade the firmware (please refer to the *System Upgrade* section).

TROUBLE SHOOTING

TROUBLE	SOLUTIONS
No image	Screen lock may be on. Tap the Power button to unlock the screen. Make sure the camera is power on. Make sure the monitor is connected with AC/DC adaptor. Move the camera closer to the monitor; it might be out of range or flip the antenna of the receiver to obtain best possible reception.
Poor picture quality	Flip the antenna of the receiver to obtain best possible reception. Clean the camera lens using lens cleaning cloth.
The motion sensor not working	Increase or decrease the sensitivity of the motion sensor (please refer to the *Motion Detection* section). Check the settings on the RECORD screen.
No recording happens although it has the schedule set.	Ensure correct DATE AND TIME has been set and the Record Schedule setup correctly. Ensure the memory card is inserted into the receiv and formatted. There might be no movement detected, i.e.: no moving object to trigger the motion sensor.
Unable to pair the camera to the receiver	Make sure the camera is power on. Press and release the pairing button quickly. Do not press and hold. Power off the receiver and restart. If power button does not respond, use a pin to press the reset button.
A white image appears at night	The camera's infra-red LEDs shine invisible light that reflects of surfaces such as glass will cause white light. Place the camera on the other side of windows to improve the night vision or place it in a well-lit area (recommend to install a security lamp to improve lighting).
LIVE screen has no icons.	Screen lock may be on. Tap the Power button to unlock the screen.
System locked up	Power off the receiver and restart. If power button does not respond, use a pin to press the reset button.
Unable to use the Windows Media Player to play the video clips from the SD card	The video files play with a Quicktime® player. Download this free player from www.apple.com . You can also download the alternative free player, VLC Media Player, from www.videolan.org. Ensure your PC has SD card reader.

PRODUCT SPECIFICATION

	Camera	Receiver
Maximum channels	-	4
Communication Range	150 meters in open space	
LCD Monitor Resolution	800 x 480	
Camera Resolution	Single Camera: 480x272 / Multiple Camera: 320x240	
Operating Temperature	-10° C ~ 50° C	
Operating Voltage	DC 5V / 1A	
Current Consumption	500mA (MAX)	800mA (MAX)
Night Vision	5 meters	
Dimension	151x62x49 mm	200x122x27 mm
Battery	N/A	N/A

Recording Time for Memory Card (32GB max)

SD Card Capacity	Single Camera (Full Screen)	Multiple Cameras (QUAD Mode)
1GB	200 Minutes	130 Minutes
2GB	400 Minutes	260 Minutes
8GB	1,600 Minutes	1,040 Minutes
16GB	3,200 Minutes	2,080 Minutes
32GB	6,400 Minutes	4,160 Minutes

Note: Single camera file recorded with video/audio; multiple camera file recorded with video only.