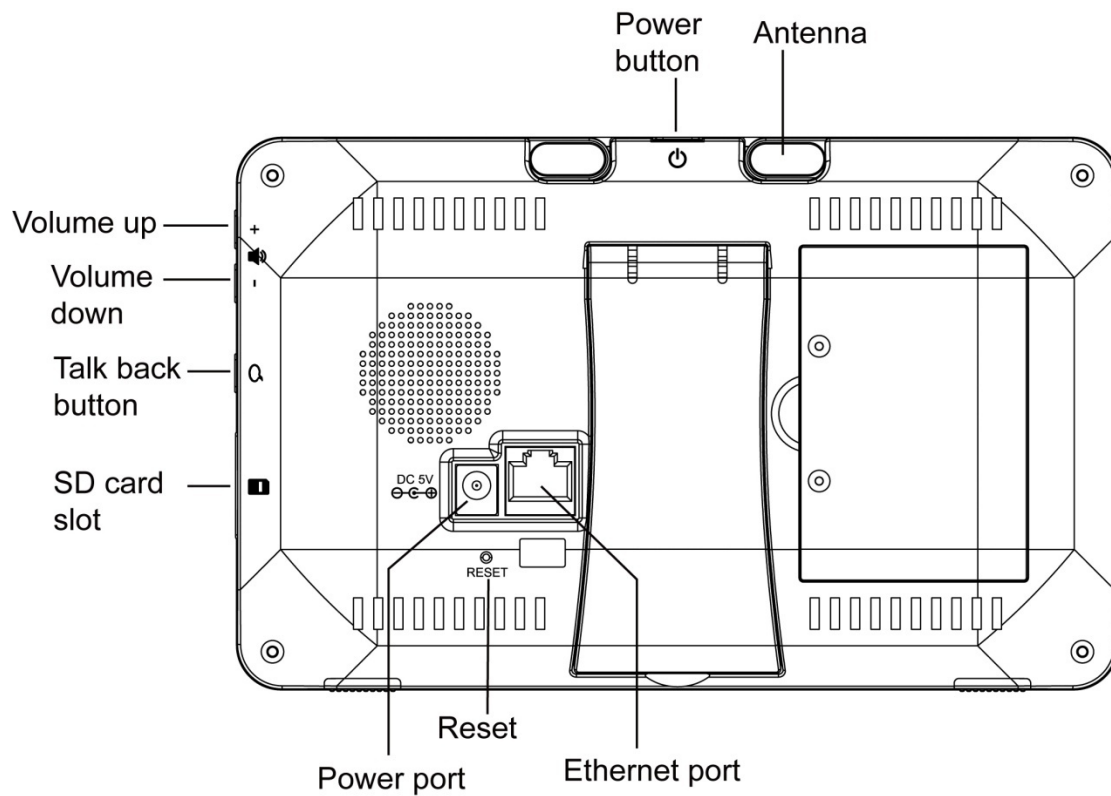# Wireless Spotlight Camera

Model: CL892

Feature list:

- ✧ 7" rechargeable, wireless LCD monitor

- ✧ Record up to 720p HD video with audio

- ✧ Weather resistant HD cameras featuring Infrared LEDs with range up to 45 feet for night use

- ✧ 500 lumens white LED to light your way or for added security

- ✧ 6W white LEDs with equivalent light output to 60W halogen

- ✧ White LED light comes with manual, motion and timer activation

- ✧ Remote access with free apps for smart phone/tablet

- ✧ Programmable notification alert

- ✧ Manual, motion and scheduled recording

- ✧ 2-way audio intercom

- ✧ Expandable up to 4 cameras

- ✧ Ideal for backyard, front yard, entry door, side of house, walkway, shed, driveway, detached garage

- ✧ Lcd : 5v DC 2A Power adaptor (+/-5%)

- ✧ Camera: 9v DC 2A (+/-5%)

- ✧ RF range: 150 meter (Line of sight)
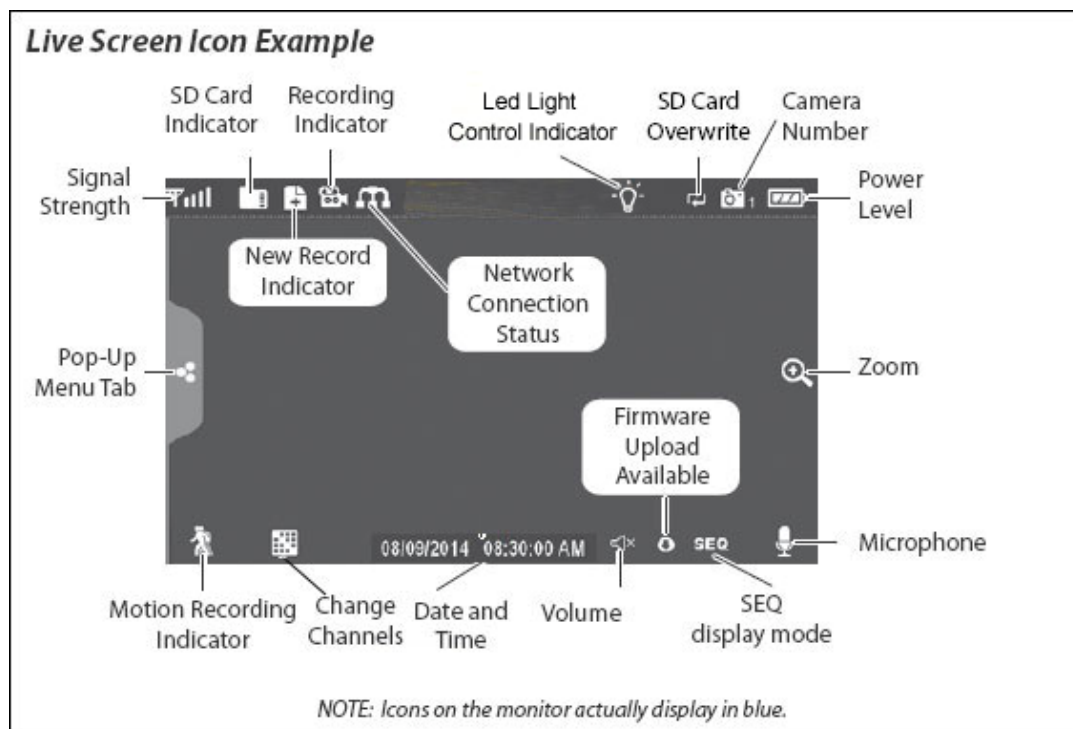
- ✧ Quad view

- ✧ PIR trigger and Video motion detect alert

The system includes the following components:

WIRELESS CAMERA   WIRELESS RECEIVER   AC ADAPTOR (9V) FOR CAMERA   AC ADAPTOR (5V) FOR RECEIVER   NETWORK CABLE
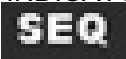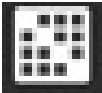
Monitor Overview

The Icons display on Monitor

Live Screen Icon Example

NOTE: Icons on the monitor actually display in blue.

Icon	What it Means
SIGNAL INDICATOR	Shows how strong the camera's signal is. Signal ranges from 4 bars down to 0 bars (out of range).
SD CARD	This graphic displays if an SD card is inserted into the monitor. If blue, recording space is available. If red, the SD card is full. Tap this icon to view recorded files.
NEW RECORD INDICATOR	New recordings are saved on the SD card.
RECORDING INDICATOR	When this icon flashes red, it indicates that recording is in progress.
NETWORK STATUS INDICATOR	Green- System is connected to the internet and the monitor is connected with internet mode. Yellow- System is connected to internet and the monitor is connected with intranet mode. Red- Connection has failed or system is not connected to a network.
LED LINGHT CONTROL DICATOR	Touch this icon to control the LED light on/off
SD CARD OVERWRITE	Displays if the SD card is allowed to overwrite files when it is full.
CHANNEL INDICATOR	Displays the current channel number you are currently viewing. If viewing multiple cameras at once, the camera indicator will appear above each video display.
BATTERY INDICATOR	Indicates the LCD monitor's battery life: Flashing Red- Low battery Green- Full battery Flashing Green- Charging

ZOOM INDICATOR	When you tap this icon on the screen, the monitor breaks the screen image into 5 areas. Tap the area you want to see in Zoom. That area displays in 2X size. Tap the icon again to exit Zoom mode.
VOLUME INDICATOR	Indicates current audio volume. You must be in single channel viewing mode to change volume. Tap + or - to raise or lower the volume. displays when the volume is off (mute).
TALK BACK INDICATOR	Displays when TALK is pressed. Press and hold TALK on the side of the monitor to talk back through the camera. Release TALK to wait for a reply.
NEW DOWNLOAD	Displays if new firmware is available.
SEQUENCE INDICATOR SEQ	Displays when the monitor is in auto switch mode; it will change channels automatically.
CHANGE CHANNEL	Tap this icon to manually change channels.
MOTION RECORDING INDICATOR	Indicates motion detection status. Blue- Automatic recording OFF. Red- Automatic recording ON.
POP-UP MENU TAB	Tap to access the pop up menu system.

Wireless Camera
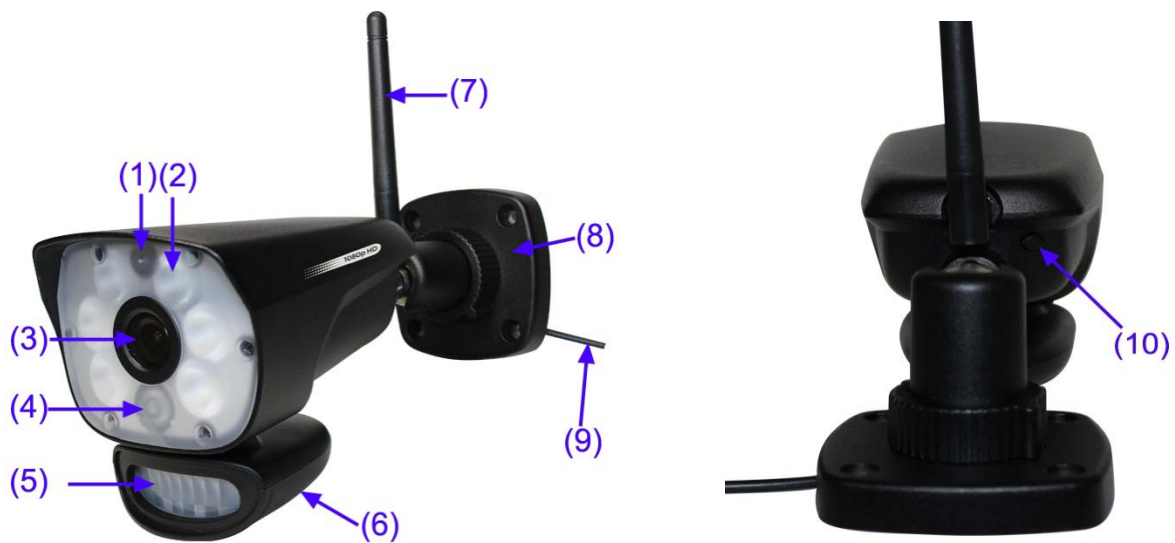
1.Microphone –Captures the sound on camera side and transmits the sound from camera to receiver.

2. 6W white LEDs –White LED light comes with manual, motion and timer activation

3. Camera Lens –Catches the video in front of the lens and transmits video from camera to receiver.

4. IR LEDs – Infrared LEDs provide viewing in no/low light conditions

5. PIR Sensor – Detects motion in front of the lens and emits detection signal to transmitter.

6. Speaker – Produces the sound transmitted from the receiver.

7. Camera Antenna – Sends & receives signals to or from the receiver.

8. Wall Mounting Bracket – Use the bracket to mount the camera on a wall or other flat surfaces.

9. AC Adaptor Jack – Plug the AC adaptor to the jack for camera's power supply.

10. Pair Button – The pair button is located on the back of the camera, it is used to pair the camera with receiver.

Note: This camera includes an Auto Mechanical IR Cut Filter. When the camera changes between day mode and night vision mode, an audible clicking noise may be heard coming from the camera. This clicking is normal, and indicates that the camera filter is working.

Camera Installation

Before you install the camera, carefully plan where and how it will be positioned, and where you will route the cable that connects the camera to the power adaptor.

Before starting permanent installation, verify its performance by observing the image on the receiver when camera is positioned in the same location/position where it will be permanently installed and the receiver is placed in the location where it will be used most of the time.

Installation Warnings

Aim the camera(s) to best optimize the viewing area: Select a location for the camera that provides a clear view of the area you want to monitor, which is free from dust, and is not in line-of-sight to a strong light source or direct sunlight.

Avoid installing the cameras where there are thick walls, or obstructions between the Cameras and the Receiver.

Night Vision
This camera has built-in IR LEDs, which provides the camera with the ability to view images in no/low light conditions.

Installing the Camera

1. Carefully unpack the camera.
NOTE: If you are installing cameras that did not come with the system, please see the pairing camera section of this manual for details on installation.

2. Mount the camera to the wall.
Mark the position of the screw holes on the wall, and drill holes and insert 3 screws, then firmly attach the camera to the wall. Make sure to strongly secure the screw the mounting bracket into the wall

NOTE: The camera can also be placed on a flat surface, such as a Table or Shelf, and no mounting hardware is required.

3. Adjust the viewing angle of the camera.   You can adjust camera angle to desired viewing area.
NOTE: You can install additional cameras (maximum of 4 cameras). When adding cameras that were not included in the original box, you will need to pair up the cameras with the receiver. Refer to the camera pairing section of this manual.

Connecting Camera Power

The camera can be powered by using the provided power adaptor
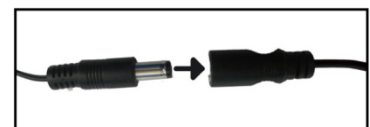
Power Adaptor

Connect the power adaptor to the camera.
Make sure is the DC 9V for camera, and DC 5V for Receiver
Make sure the power adaptor is placed into a grounded outlet or surge bar to protect the camera from power fluctuations.

SCREEN DESCRIPTIONS

OVERVIEW

This section describes the monitor pop-up menu screens in detail. These pop-up menus enable you to:

- Control light settings
- Set alarms
- Set the brightness level for each camera connected (single channel display only)
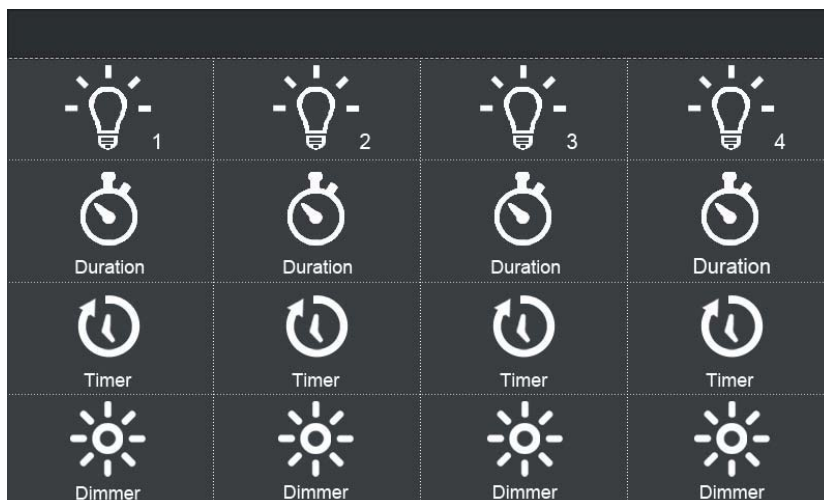- Set up cameras for recording, motion detection, and other system and network requirements.
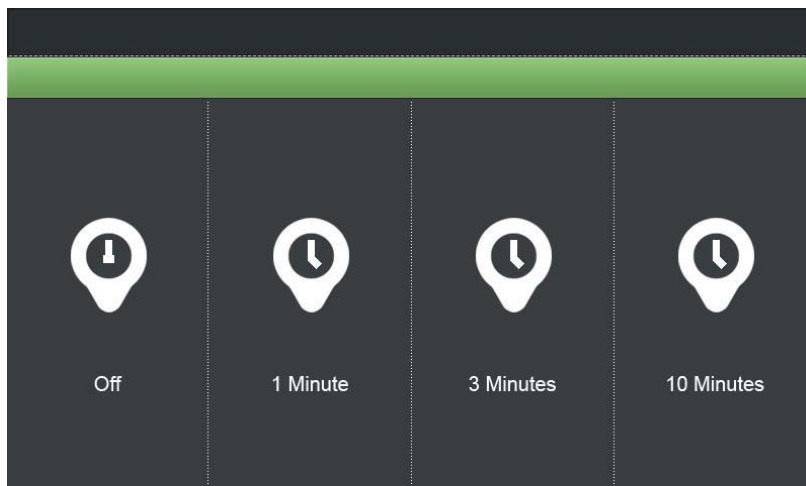
Tap [icon] and the pop-up menus display.
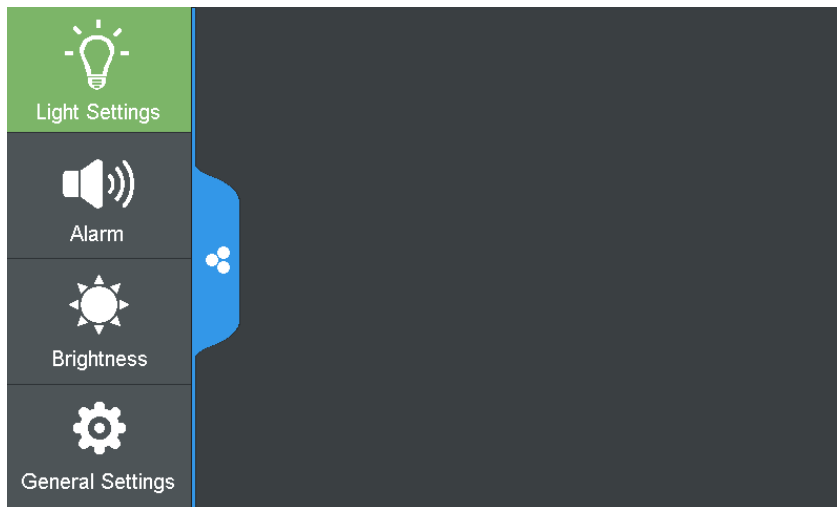
Light settings

Manage recorded files with this screen. You can see what recorded files you have, play them, and delete them.
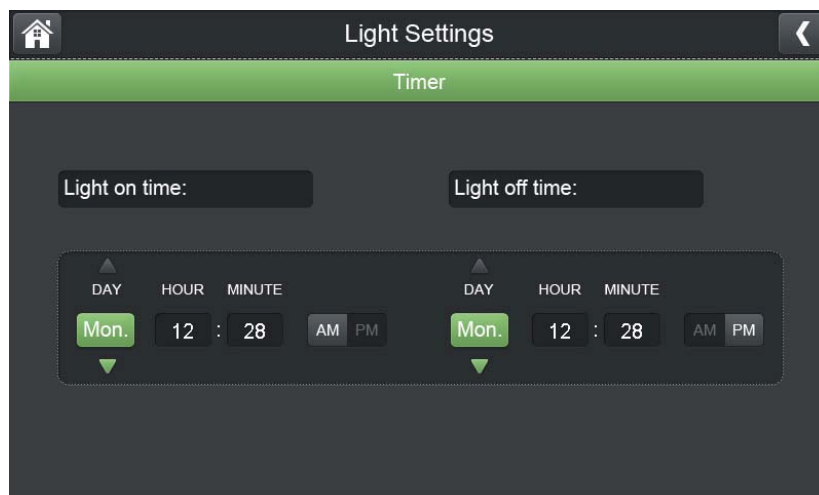
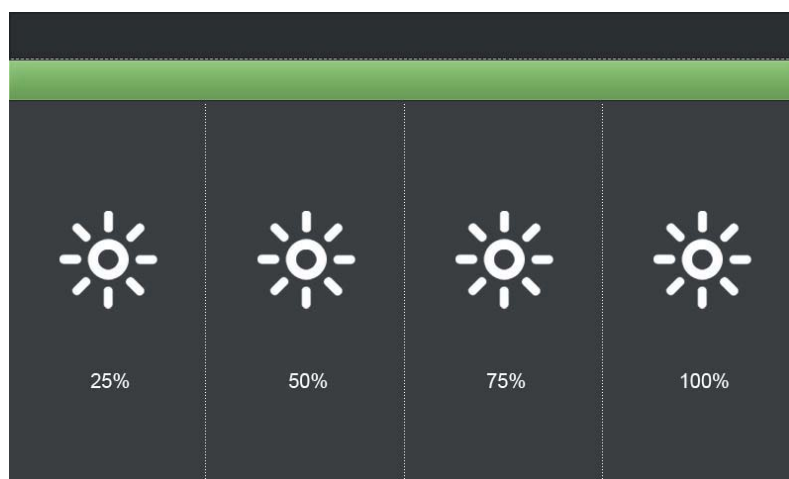Tap [icon] The following screen displays.

1. **Duration**: This part controls how long you want the light to turn on after motion triggered. You can turn off the light or set it to 1 min/ 3min/ 10min.

2. **Timer**: Set up a schedule that you want the light to turn on.

3. **Dimmer**: When the file finishes, the monitor displays the Recording File List screen again.

ALARM

When motion triggers the camera to begin recording, the monitor sounds an alarm tone. This screen lets you determine how loud that tone will be.
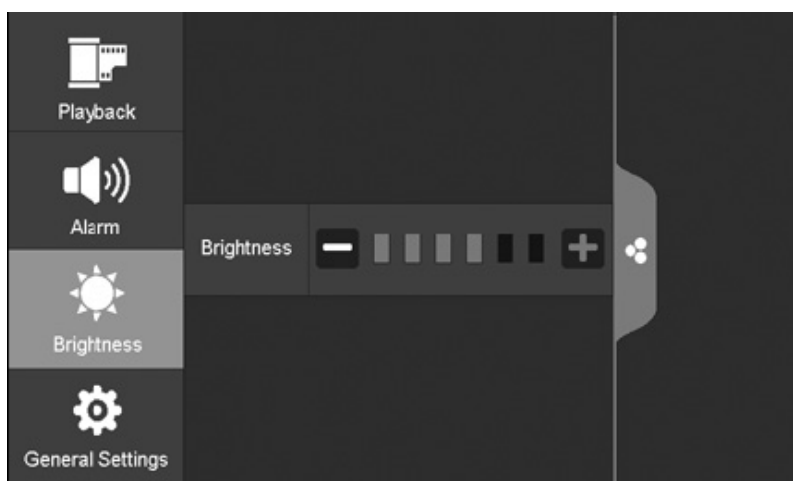
1. Tap ![alarm icon]. The following screen displays.

2. Tap + or – to increase or decrease the alarm volume. Tap ![back icon] when you are finished.

BRIGHTNESS

This feature allows you to set each camera's brightness level.

1. Tap ![brightness icon]. The following screen displays.

2. Tap + or – to increase or decrease the monitor screen brightness. Tap ![back icon] when you are finished.

GENERAL SETTINGS

The *General Settings* screen contains 6 subsections, each of which may contain sub-screens. These sub-screens let you set features about your system. You can turn cameras on and off, establish a specific schedule for specific cameras to record, set the date and time, and motion detection sensitivity, among other features. The rest of this section provides details using these screens.

Tap the following icons as they appear on the screens:
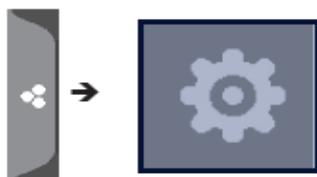
This screen should display:
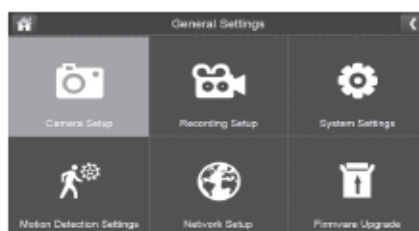
| Main Screen	Sub-Screen	What it Does
Camera Setup	Paring	This system comes with cameras already paired. Use Pairing to assign these cameras to different channels or to pair additional new cameras to the monitor.
	ON/OFF	Makes the cameras visible to the monitor.
	Resolution	Adjusts the video quality of each camera.

Main Screen	Sub-Screen	What it Does
Recording Setup	Duration	Set the length of time the camera records once motion sensitivity triggers the camera to record. Choices are 15 seconds, 30 seconds, or 1 minute (Default - 15 seconds)
	Schedule Recording	Set up a schedule for pre-determined recording times and lengths.
	File Overwrite	Overwrites the oldest recorded data on the SD card once the card is full.
System Settings	Date & Time	•Time Setting. Set the current time (including Daylight Savings Time). •Time Zone. Set the time zone for your system.
	Time Zone	•Set the time zone for your system. •Enable/Disable Daylight Savings Time.
	Language	Changes languages setting for the monitor (English, French or Spanish)
	Default Settings	Restores the system to default settings.
	Format SD Card	Reformats the SD card and deletes all existing data.
	Information	Displays firmware information for the monitor and each camera.

Motion Detection Settings	A single screen lets you set motion detection sensitivity for each camera. It also lets you determine which viewing areas for each camera should be masked from motion detection.	
Network Setup	Advanced Setup	Set up Dynamic or Static IP address.
	Reset Password	Reset app password to the default (000000).
	Information	Displays and allows you to change information about your network and the monitor's unique UID number.
Firmware Upgrade	Lets you select how you want to upgrade your firmware (from SD card or from server).	

CAMERA SETUP SCREEN

The Camera Setup screen lets you:
- Pair cameras
- Turn cameras on and off
- Adjust the resolution
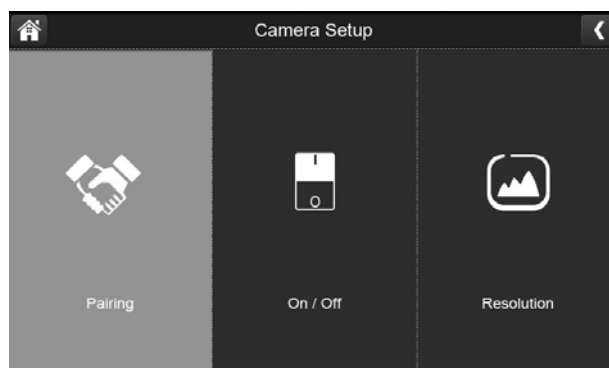
Pairing

Your cameras are paired to the monitor at the factory to channels 1 and 2. When you add a new camera to your system, you have to "introduce" the camera and monitor to each other so they can communicate.

You can also use this procedure to move a camera from one channel to a different channel.

Some things to know about pairing cameras:

- If a camera is already assigned to the selected channel, the pairing operation overwrites that camera link with the new one.
- Only pair one camera at a time! The monitor links to the first camera it detects. If two or more cameras are in pairing mode, you can't control which camera the monitor will detect first.


1. Tap *Paring* on the *Camera Setup* screen.

2. Tap the channel number you want to pair the camera to.
3. A message displays with instructions to press the **PAIR** button on the camera. Press and release the **PAIR** button on the front of the camera. A 30-second countdown begins.
   You must press the PAIR button during the 30-second countdown; otherwise, the camera will not be paired.
4. The system displays live video 3 seconds after the camera is successfully paired.

On/Off

When you add a camera to your system, pair up the camera with the monitor and the system will automatically turn it on.
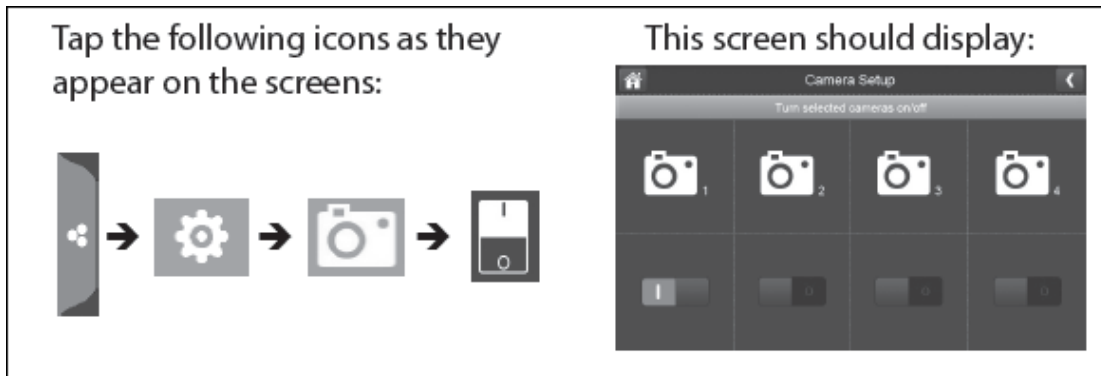
1. Tap the switch bar under the camera you want to turn on or off.
2. The switch bar indicator turns green when the camera is on. It is greyed out when the camera is off.
   Although the camera is turned off, it is still powered. The monitor will not receive video signals from that camera.
3. Tap ❮ to return to the previous screen.

Resolution
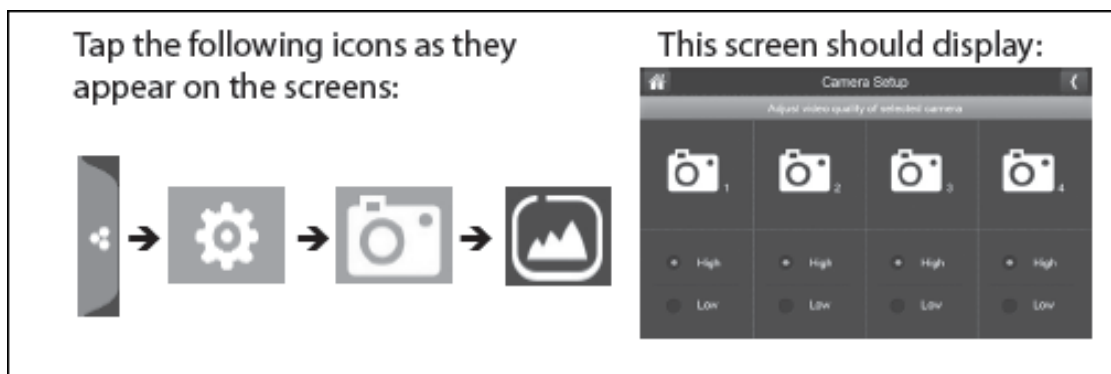
1. Tap *High* or *Low* to set the frame rate for each camera.

2. Tap ❮ to return to the previous screen.

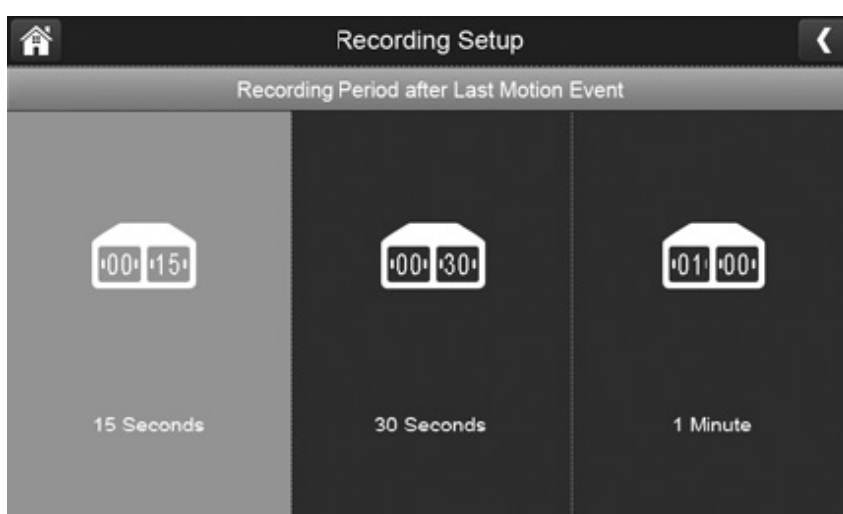## RECORDING SETUP SCREEN

Use the Recording Setup screen to:
● Set the length of time the system will automatically record when something triggers motion sensitivity.

- Schedule a set time and duration to automatically record from a specific camera.
- Set up file retention requirements
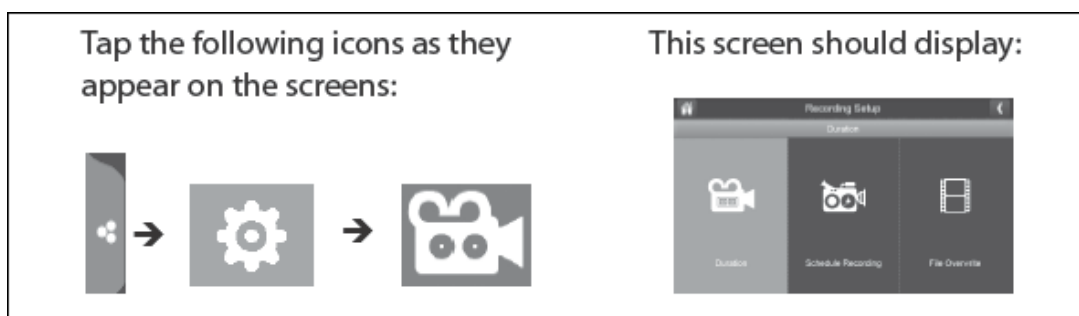
Duration

You can set how long the camera keeps recording after motion detection triggers it. The options are 15 seconds, 30 seconds, or 1 minute. (Default = 15 secondes)


1. Tap the duattion you wish to set.
2. Tap ❮ to return to the previous screen.

Schedule Recording

This feature lets you set up a block of time for a camera to record on a weekly schedule. You can set up multiple cameras to record at the same time and the recording times can overlap between cameras.

Total recording time is limited to the space available on the SD card. If you set the SD card to delete the oldest files when it is full, the system continues recording; otherwise, recording stops until space is available.

1. Tap 🎥 ; the *Schedule Recording Overview* screen displays;
2. Tap **MODIFY** in the lower right corner. The *Schedule Recording Setup* screen displays.
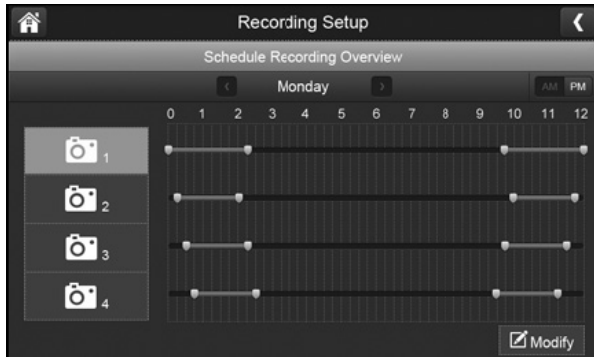
3. Select a camera. If you want more than one camera to record at the same time, select both cameras.
4. Set the recording start time.
   ● Tap the **AM/PM** block to toggle between them.
   ● Tap the hour and number boxes separately and tap the up and down arrows to set the time in HH:MM format.
5. Tap **SAVE**. The system returns to the Schedule Recording Overview screen with the recording period indicated.
6. Tap **MODIFY** again to set up another recording session to schedule.
   Scheduled recordings are broken up into 5 minute file sizes. For example, if you record a 10 minute event, you will have two 5-minute recordings.

File Overwrite
This feature lets you set the system to automatically overwrite the oldest files once the SD card is full. This will allow you to continue recording. If you do not allow overwrite, recording stops when the SD card is full.
1. Tap ▦ to access the File Overwrite function. The following screen gives you the option of allowing File Overwrite (tap **YES**) or, if File Overwrite is on, cancelling it (tap **NO)**.
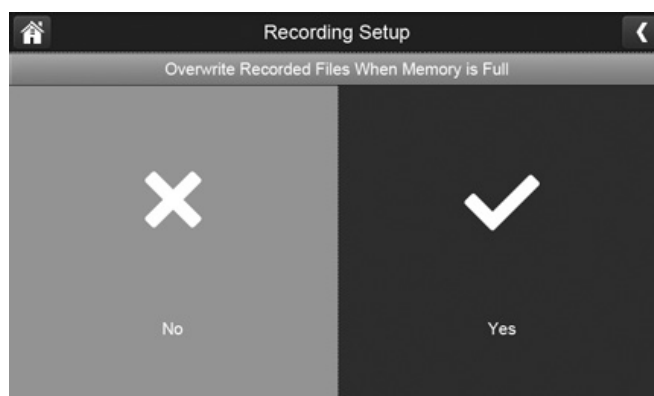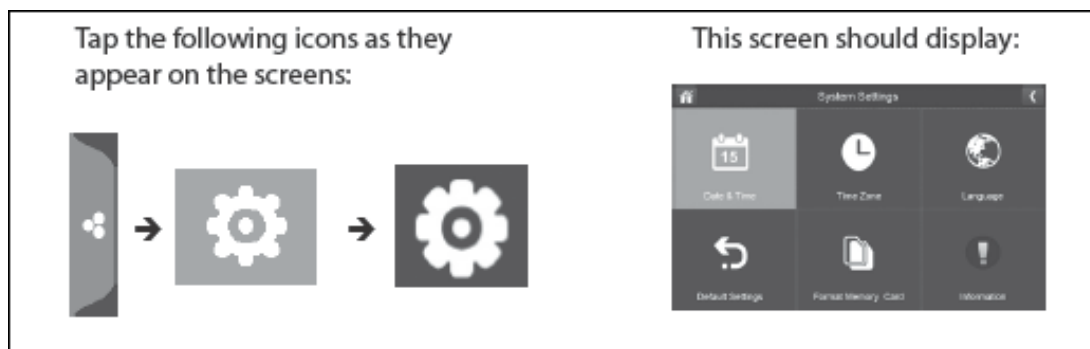

2. Tap ❮ to return to the previous screen.

SYSTEM SETTING
Use these setting options to configure your system:
● Date and Time
● Time Zone
● Language
● Default Settings

- Format Memory Card
- Information

Date and Time

1. Tap [icon] to access the Date & Time screen.

2. Tap the up or down arrow to set the month, day, and date.
3. Tap the up or down arrow to set the time.
   - Tap the **AM/PM** block to toggle between them.
   - Tap the up or down arrows to set the correct hour and minute.
4. Tap Synchronize with an internet time server if you want the internet clock to set your time automatically.
   *You must keep your system connected to you wireless network using the Ethernet cable in order to synchronize with the internet time server.*
5. Tap [icon] to return to the previous screen.

Time Zone

Time Zone allows you to set the time zone your monitor is in. This is especially useful if you are using the app in another time zone and you want to remotely access your recorded files. Your system will know that your request refers to the time zone the monitor is in. [Default = (GMT-5:00) Eastern Time (USA & Canada)].
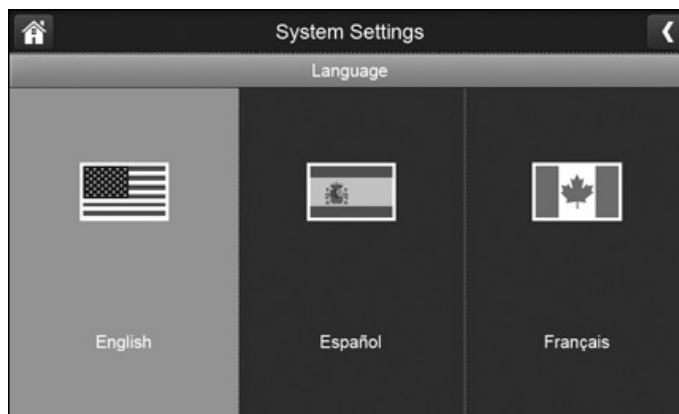
1. Tap [icon] . The *Time Zone* screen displays,
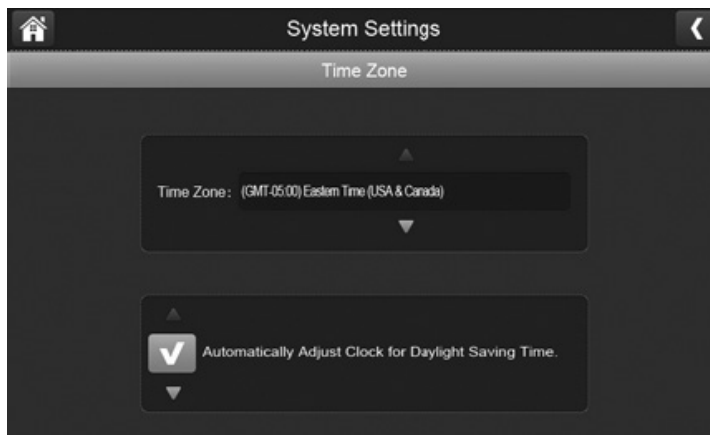
2. Scroll up and down to your camera's time zone and then tap it.
3. Tap the next option to turn Daylight Savings Time on or off.
4. Tap ⟨ to return to the previous screen.

Language

Tap 🌐 to set the language used on your system. Options are English, Spanish (Español), and French (Français).

1. Tap the language you want your system to use.
2. Tap ⟨ . The system returns to the previous screen and automatically changes over to the requested languatge; no reboot is necessary.

Default Settings

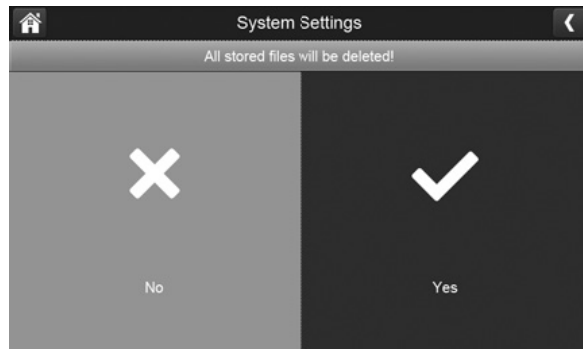1. Tap ↺ to return your system to the original default settings.

2. Tap **YES** on the Restore Default Settings screen.
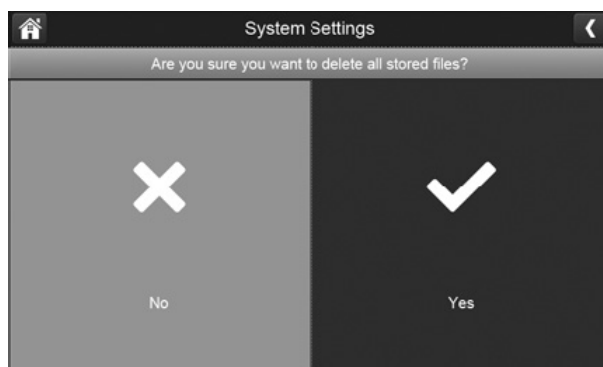
3. Tap **OK** to confirm the reset.

Format SD Card

Formatting the SD card erases all data stored on the card. (Default = **NO**)

1. Tap 📄 to reformat your SD card.

2. Tap YES on the *All stored files will be deleted!* Screen (Default = NO). A confirmation screen displays. Tap **YES** to it.
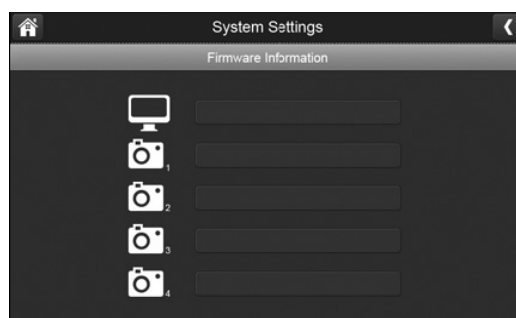

3. A progress bar displays on the screen. After formatting is complete, a *Format OK* message displays.

Information

This screen lists the firmware information of the monitor and all cameras paired to it.

1. Tap ❗ to display the screen.

2. Tap ◀ to return to previous screen.
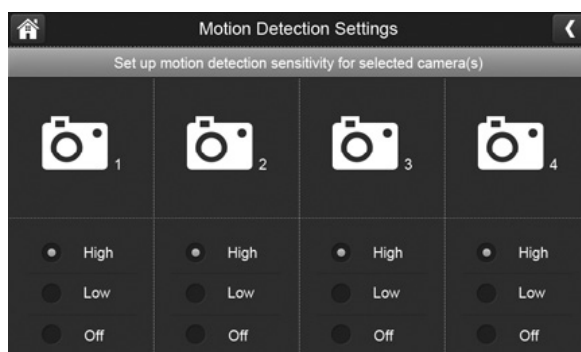
MOTION DETECTION SETTING SCREEN

Motion detection settings control how strong the motion needs to be to trigger recording. This settings screen also lets you mask off any areas in the image for the camera to ignore. For example, you may have trees in the image area that would set off motion detection if there is a breeze.
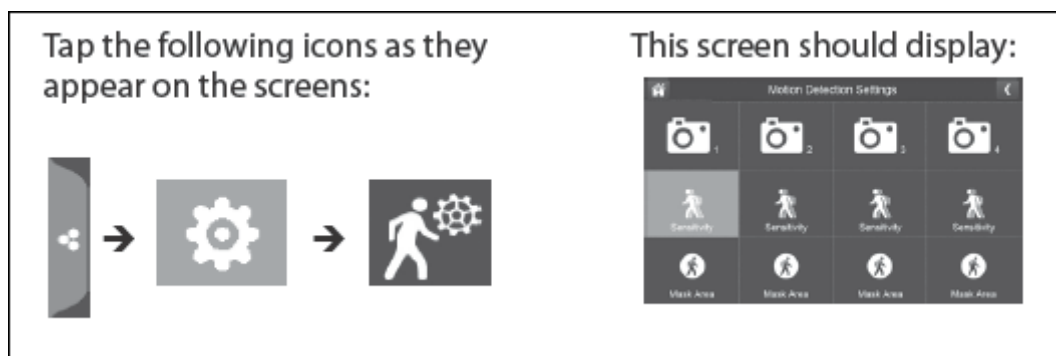
Sensitivity

This selection allows you to set the camera's motion detection sensitivity levels to *High, Low,* or *Off.*
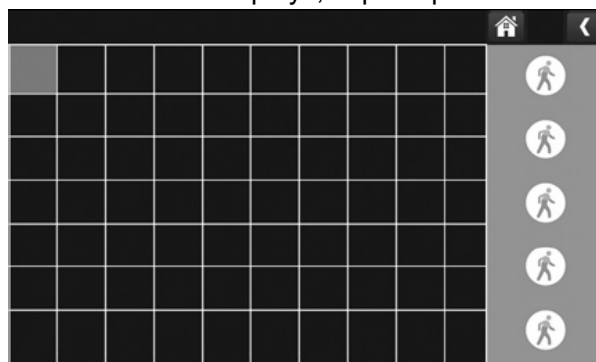
1. Tap [icon]. The following screen displays.

2. Tap *High, Low,* or *Off* to set sensitivity.
3. Tap [icon] to return to the previous screen.

Mask Area

Use this selection to mask off any parts of the viewing area you do NOT want to be included for motion detection.

1. Tap [icon] The Mask Area screen displays, superimposed over the image from that camera.

2. Tap the squares that cover the areas of the image you do not want affected by motion detection.
3. When you are finished, tap [icon] to return to the *Motion Detection Setting* screen.
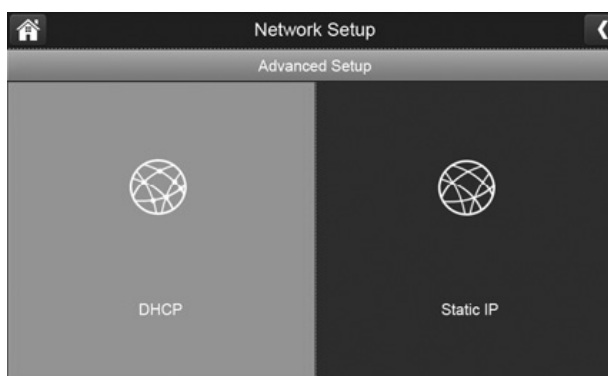
NETWORK SETUP SCREEN

This selection lets you determine your network connection type, reset the APP password, and review your network details.

Tap to see the *Nework Setup* screen and option.
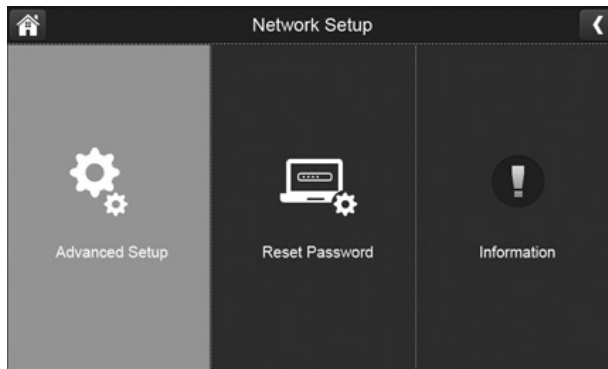
Advanced Setup

1. Tap to display the *Advanced Setup* screen.
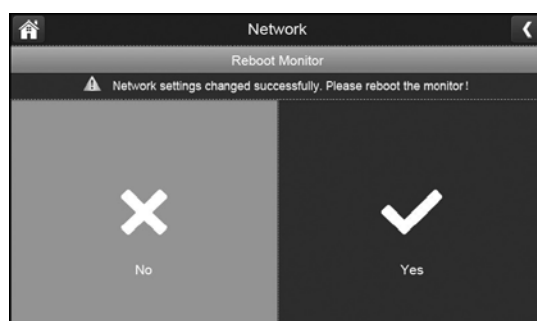

2. Tap on your selection and fill in the fields requested. Tap **SAVE**.
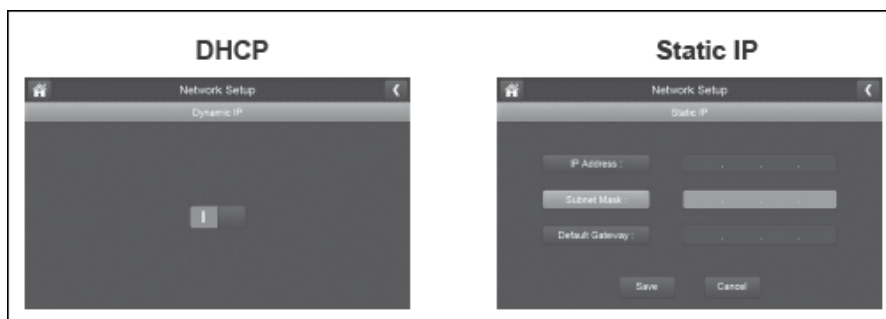
3. Tap on your selection and fill in the fields requested.

   DCHP is the most common connection. Your router will automatically assign an IP address to your CM812732 system. Static IP is for those that have the ability to specify an IP address for their system.
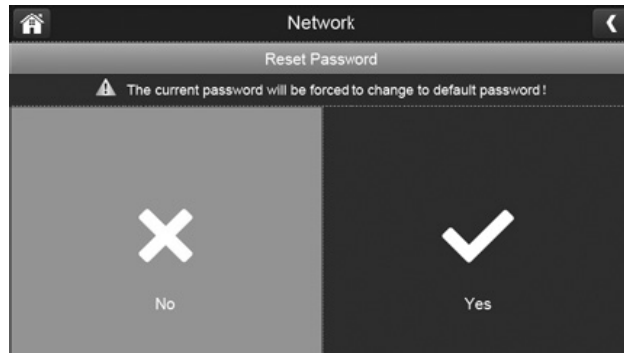
4. Reboot the monitor when prompted.

Reset Password

The Reset Password feature resets the MyCam View app's password to the default (000000).

Tap **YES**, then tap [◀] to return to the *Reset Password* screen.

Information

This screen displays current IP information when the system is connected to the internet.

Tap [!] to display the information screen, then tap [◀] to return to the Information screen.
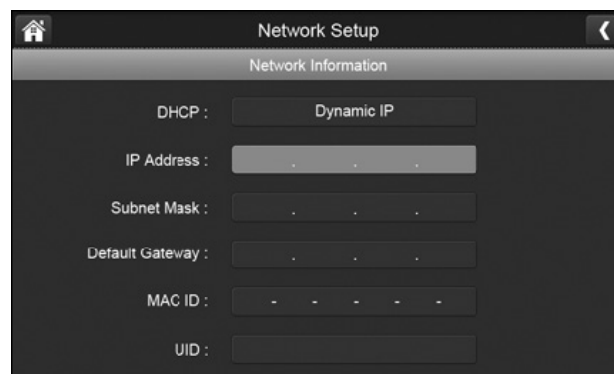
FIRMWARE UPGRADE SCREEN

We recommend that you check your monitor firmware version against the most recent version at least twice a year.

Upgrade from SD Card

1. Tap [📄] to upgrade the firmware through the SD card. Tap **YES** on the confirmation screen.
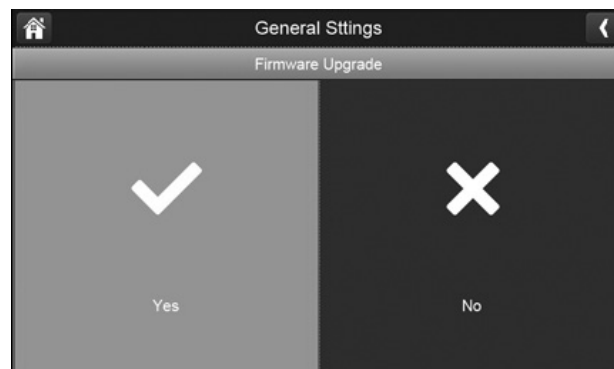
2. A progress screen displays.

3. When the update is complete, the monitor displays *Firmware Upgrade Successful* and automatically reboots.

Upgrade from Server
1. Use the Ethernet cable (provided) to connect your monitor to your router.
2. Tap ⬛ to upgrade the firmware through the Server.
3. A confirmation screen displays. Tap **YES**.
4. The system checks to see if new firmware is available. If new firmware is available, the monitor installs it and automatically reboots.

Remote View from APP

1. Download app **MyCam View** from App Store or Google play on your smart phone or tablet.(**Make sure your phone connect with network**)

2. Connect the 7''monitor with your home router by Ethernet cable.

3. Add camera(**Android APP** for example)

   Touch the App icon **MyCam View** to launch the app, Tap "**Click here to add camera**"
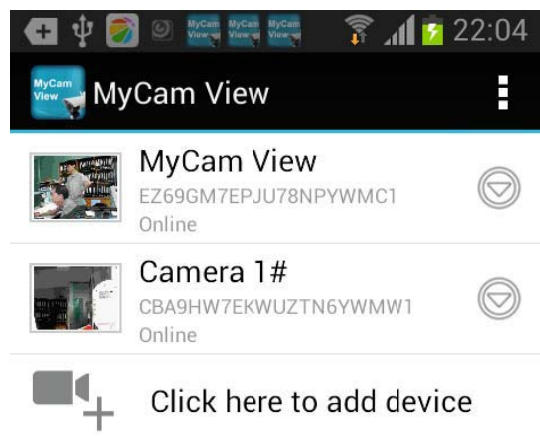
   Then the right pictures as showed, there are 2 options to get the UID from the monitor.

   Option A: Enter the UID printed below the QRcode(example:**D7ETGG7YPUUZUNPYWM4J**) as it shows on the back of monitor.

Option B: Tap **Scan** button to scan the QRcode on the back of monitor.

Name: Press it to rename the camera (original name is MyCam View) what you want.

Enter the Password: 000000(Default setting)

Then press **OK** to confirm it.
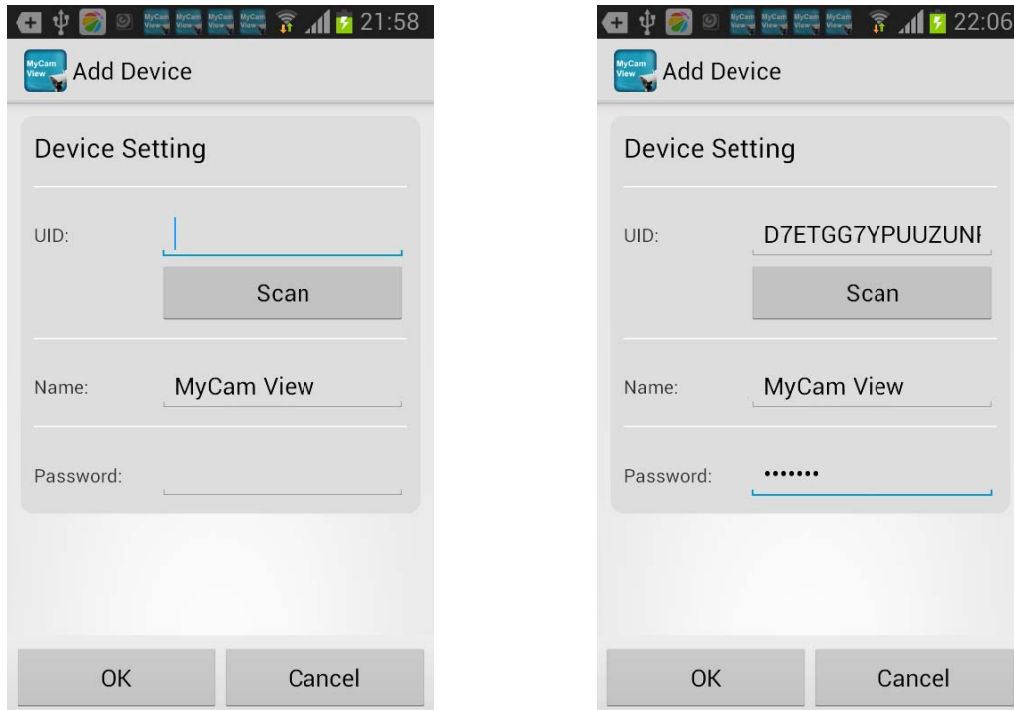
4. The system will show in your device list at an online status as below picture.
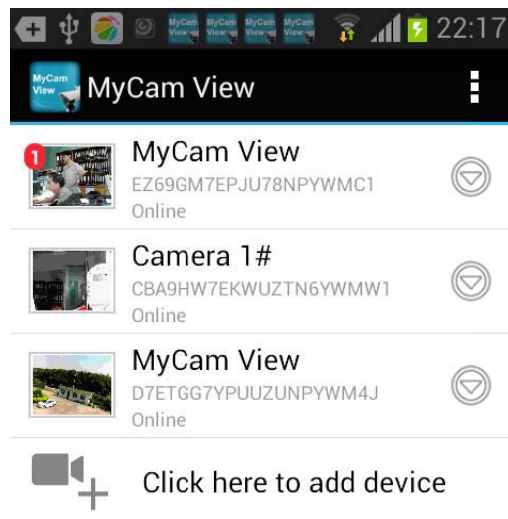
5. Press the camera you added on your device, now you can view live video from your camera in either portrait or landscape mode.

Icons in the APP

View icon : press this icon to view Snapshot photos already taken.

Snapshot Icon : press this icon to take photo from camera side

Mute Icon : It cut off the audio on the camera side.

Press this icon to listen the audio from camera side.

Talk back Icon :Press it to talk back to the camera currently being displayed on your phone.

CH Icon : press this icon to change channel which you want to see.
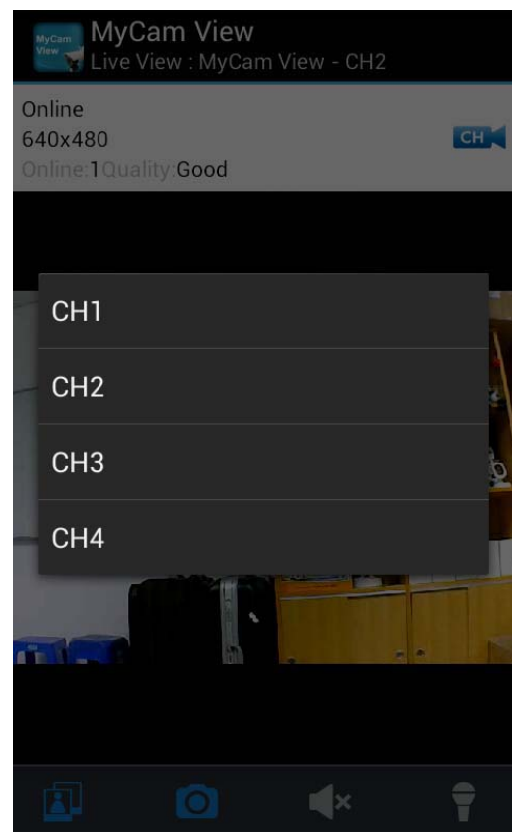
Online:1, only one remote visit, system support 4 remote visit at the same time.

Quality: shows the network quality.

6. Back to the add camera menu, and then press the down arrow, a new interface pops out as showed.
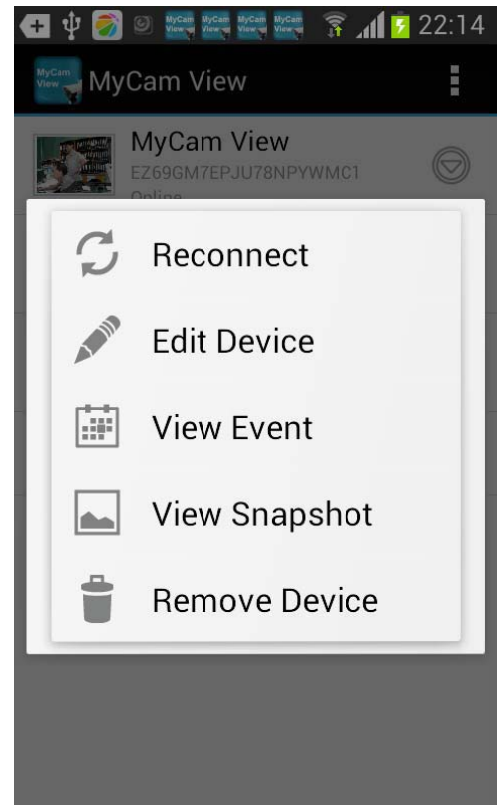
Reconnect: If your remote device connected failed with the camera, press it to reconnect.

Edit Device: Device setting and Advanced setting are under this menu. You can see the camera's details under Device Setting.

You can modify Password setting(default 000000) , video Quality(default Min) and Alert interval(default 3 MIN)under Advance setting.
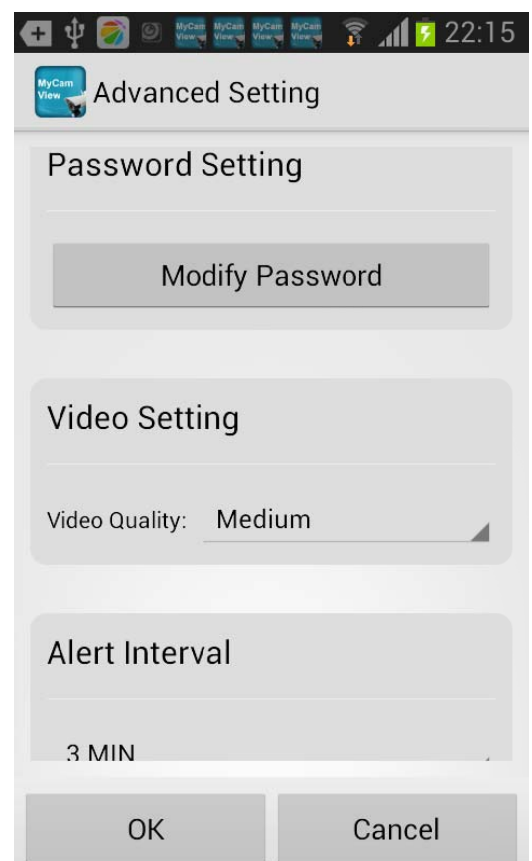
View Event: Select it to playback the video on your phone. You can tap icon to view live video by selecting a period of time(within an hour, within half a day, within a day, and within a week) or as you want by Custom time.
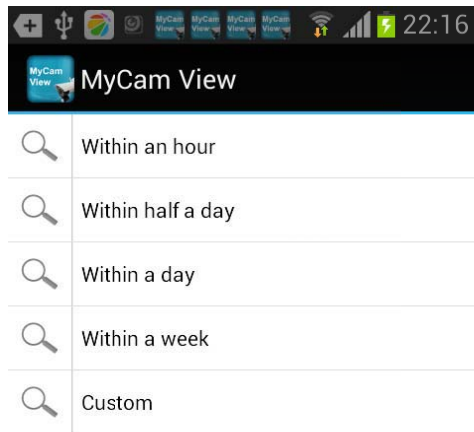
View Snapshot: Select it to view the photos you have taken by Snapshot key.

Remove Device: Delete this camera from your phone

Electrical Parameter:

Camera(s)	
Transmit Frequency Range	2400Mhz~2483.5Mhz
Data Rate	4 Mbps
Transmitting Power	16dBm (TYP)
Modulation Type	GFSK with FHSS
Transmitting Distance	200m (Line of Sight)
Image Sensor Type	1/4" Color CMOS Image Sensor
Effective Pixels	H: 1280 V: 720
Image Processing	MPEG 4
Image Resolution / Frame Rate	Cam x 1 : 720px1 @ 15 fps Cam x 2 : VGAx2 @ 30 fps Cam x 4 : VGA x 4 @ 10 fps
Lens	3.6mm / F1.9 (ICR cut Filter)
Viewing Angle (Diagonal)	68° (FOV)
IR LED / Night Vision Range	1PCS IR LED+6PCS white led /10m Night Vision Range
Power Requirement	9V DC 2A ±5%
Power Consumption	1680mA Max (with IR ON and white led on and talk back)
	500mA Max With talk back
Operating Temperature	14°F ~ 104°F (-10°C ~ 50°C)
Operating Humidity	0% ~ 85%

Lcd monitor	
Receiving Frequency Range	2400Mhz~2483.5Mhz
Data Rate	4 Mbps
Receiving Sensitivity	-81dBm
Modulation Type	GFSK with FHSS
Lcd Panel size	7 Inch
Recording format	ASF
SDHC-Memory card	Max 128G recommended:32G
Lcd Resolution	800 RGB (H) x 480 (V)
max.recording capacity in hours	approx. VGA:400M HD:900M
View Angle	H: 140° V: 110°
Lithium rechargeable battery	3.7V 2000mAh
Capacity loss of battery	approx. 20% after 300 charge cycles
Power Requirement	5V DC 2A ±5%
Power Consumption	750mA max:1050mA
Operating Temperature	14°F ~ 104°F (-10°C ~ 40°C)
Operating Humidity	0% ~ 85%

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 cause harmful interference to radio or television 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.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met. This product meets the applicable Industry Canada technical specifications.

Le présent appareil est conforme aux CNR d'Industrie Canada applicable aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage,

et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement