WiseEye®
MC-2

User Manual

V 1.6

Welcome to the WiseEye Family!

Thank you for purchasing a WiseEye Mini Cam 2 (MC-2). We know that you have many options of products to purchase, and we are glad you chose us.

We are a business focused on customer success. The most important thing to all of us here at WiseEye is to ensure that you have the best experience possible. Our goal is not just to take pictures but to help create opportunities for success. Whether you're tracking a prized animal or embarking on your child's inaugural hunt, we're privileged to accompany you on your journey.

While this manual endeavors to address all questions, should you require further assistance, please don't hesitate to reach out via phone, live chat on our website, or email. Our contact details are provided below.

Good Luck and Best Wishes,

The WiseEye Family
Psalm 46:10 - "Be Still"

Phone Support: 225-478-4026
9am-5pm CST Monday - Friday

Live Chat: Everyday at WiseEyeTech.com

Email Support: support@wiseeyetech.com

Table of Contents

What's in the Box?

1	WiseEye MC-2
2	Long Range Antenna
3	Strap

If you believe you are missing any of these items, please contact us at support@wiseeyetech.com.

What You Will Need

POWER
- 8 AA Batteries for the Battery Tray
  -OR-
- An external power source such as a solar panel or 12V Battery with a 1.7mm connector. (optional)

For more information, please see the the "Battery Selection" section.

SD CARD
- WiseEye recommends a 128GB or less Class 10 U3 SD Card
- THE SD CARD MAY NEED TO BE FORMATTED IN THE CAMERA (if it is not a WiseEye SD card)
- See the "Formatting a Non-WiseEye SD Card" section for more information.

WiseEye branded SD cards are already formatted to work in this camera and are Class 10 U3 32GB Cards.

HUNTCONTROL SUBSCRIPTION
- This is your cellular data subscription. See the "Adding a Camera to Your HuntControl Account" section for more information.

Quick Start

Scan code above to be taken to our instructional videos.

Camera Configuration

It is recommended to configure your MC-2 in an area with reliable cellular coverage. The camera can then be moved a more remote location.

Setting Up Your HuntControl Account

A HuntControl account is required if you wish to use the cellular features of the camera. The camera will send the photos directly to your HuntControl Account in the cloud. From there, the pictures can be sent to you via email or viewed in our apps or on our website.

Create your HuntControl Account at huntcontrol.com or by scanning the QR code below.

When purchasing your HuntControl subscription, you will need to select your subscription level and billing frequency (monthly or yearly) and the number of cameras you wish to have in your account.

Once you have purchased and set up the account, log into the website or the mobile app to add your camera(s).

Downloading the HuntControl App

You can find our app on both the Apple App Store and Google Play Store by searching "HuntControl", or you can scan the appropriate code below. The app will work on phones and tablets.

You can use the codes above to download the HuntControl App for both Android and Apple devices.

Adding a Camera to Your HuntControl Account

- You can add a camera to your account by going to the Cameras page of the website or mobile app, and clicking "+ Camera" button the website, or the "+ Add" button on the app.

You will need the IMEI number of the camera. This can be found in two locations.
1. On the bottom of the camera box
2. Below the QR code on the bottom of the camera door

You can type in the IMEI number into HuntControl manually, or If you are using a smart device with a camera, you can add the camera to your account by clicking "Scan Barcode" in the app and then scan the IMEI QR code which will

automatically enter the IMEI number for you. *(Note: If there is a glare or you cannot get the phone to focus on the QR code, type the number in manually.)*

This QR Code contains the IMEI number of the camera.

After entering in the IMEI number you can add a name to the camera. The name is for your purposes only and can be changed at any time.

It usually helps to name the camera something based on its location or use such as North Feeder or Front Gate.

Formatting a Non-WiseEye SD Card

1. Insert a class 10 SD U3 Card that is 128GB or less in to the SD Card slot.
2. Turn the camera to "Setup"
3. Wait for the indicator lights on the Status Panel to illuminate.
4. If the SD card is bad, or not formatted, the "SD" light will turn red.
5. Press and hold the "Format" button until the "SD" light begins to flash yellow. The Status and SD light will become solid green after a successful format.
6. Your SD Card is now formatted.

	Formatting your SD card will clear all the pictures and files from the SD card. If you notice any problems with picture sending, formatting the SD card may help resolve the issue.

Using Your Camera in the Field

1. Secure your camera to a stable, fixed object such as a tree, pole, T-post etc.
2. The camera can be secured using the included strap or by a cable lock (not included). Clamps for T-Posts or other poles can be purchased at wiseeyetech.com.
3. *Best placement is usually 4-5' from the ground, tilted at a 5-10º downward angle and 15-25' from the target location.*

	For optimal night images, you do not want the camera too close to the target. Animals that are very close to the camera can cause too much of the IR light to be reflected to the camera lens and blur or "wash-out" the image.

4. Install the batteries or connect the power source to the camera.
5. Move the switch to "Set-Up".
6. The camera is linked to a Multi-Carrier SIM card. The camera will search and connect to the best carrier available.
7. Once signal is acquired, the signal light will display RED for Low signal, YELLOW for Medium Signal, and GREEN for Good Signal.
8. The camera may take a few minutes to acquire service. Once Signal has been acquired, Send a Test Image. (See "Sending a Test Picture" section).
9. Change the settings of the camera using the Remote Control in the HuntControl App or web version **while the MC-2 is in Setup Mode**. (*Note: You can change these settings VIA over the air from HuntControl.* ***See page 18 for more***
10. Once all settings are set to your preference, all lights are green, and a test pic has been received, turn the camera to "On" and close the camera.

Sending a Test Image

If you want to ensure that the camera is working properly or has sufficient signal in your location to send an image, you can send a test image from the camera to HuntControl.

1. Turn the camera to the "Setup" Position.
2. The colored lights on the StatusPanel will begin to blink.
3. Wait for the camera to acquire cellular signal. (Cell Service Light will display YELLOW or GREEN)
4. All lights should be solid, no lights should be blinking.
5. Press the TEST button one time.
6. *The "Status" Light will begin flashing continuously until the picture has been sent to your HuntControl account. If this fails, the light will display Red. If the test image fails, please refer to the "LED Lights" section for more information.*
7. *Once the image is sent, the "Status" light will stop blinking and turn to solid green.*

| | *Make sure to remove anything from in front of the camera that could mistakenly trigger the motion sensor or obstruct the image. It may be necessary to mow heavy grass areas for best performance.* |

Battery Options

AA Batteries
(*Sold Separately*)
- You can use Alkaline or Lithium AA Batteries in your MC-2. You will need 8 AA batteries to power your MC-2.

WiseEye Solar Charger
(*Sold Separately*)
- Internal 5000mAh Lithium Batteries
- Tree mount and cords included with hardware
- Internal Lithium Batteries recharge with sunlight
- Can work with 12v or 6v feeders as well

WiseEye 12V Cords
(*Sold Separately*)
- Use any 12V Battery to power the WiseEye DC-2. Available in Spade, Ring, or Clip connectors.

WISE IDEA: *Using an external battery source, such as the Solar Panel or a 12v external battery will provide you with much longer lasting battery life.*

Firmware Update

• Firmware updates will be done over the air from the Remote Control Page.

Firmware Updates can easily be Done VIA over the air using the HuntControl App
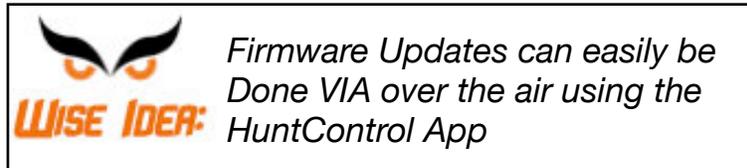
Format

• Formatting your SD card is a crucial step in setting up your camera. The format command can be found on the Remote Control page, along with holding the "SD Format" button located on the Camera.
• For more info, see the "Formatting a Non-WiseEye SD Card" section.

Reset

• Resetting the camera will reset and reboot all settings and electronic components within the camera. It is different than turning the camera off as it will completely reset and restart the entire system. To reset, click the Reset button at the bottom of the Remote Control page. This can be used to troubleshoot as well. These options can be found on both the HuntControl website and the HuntControl mobile app.
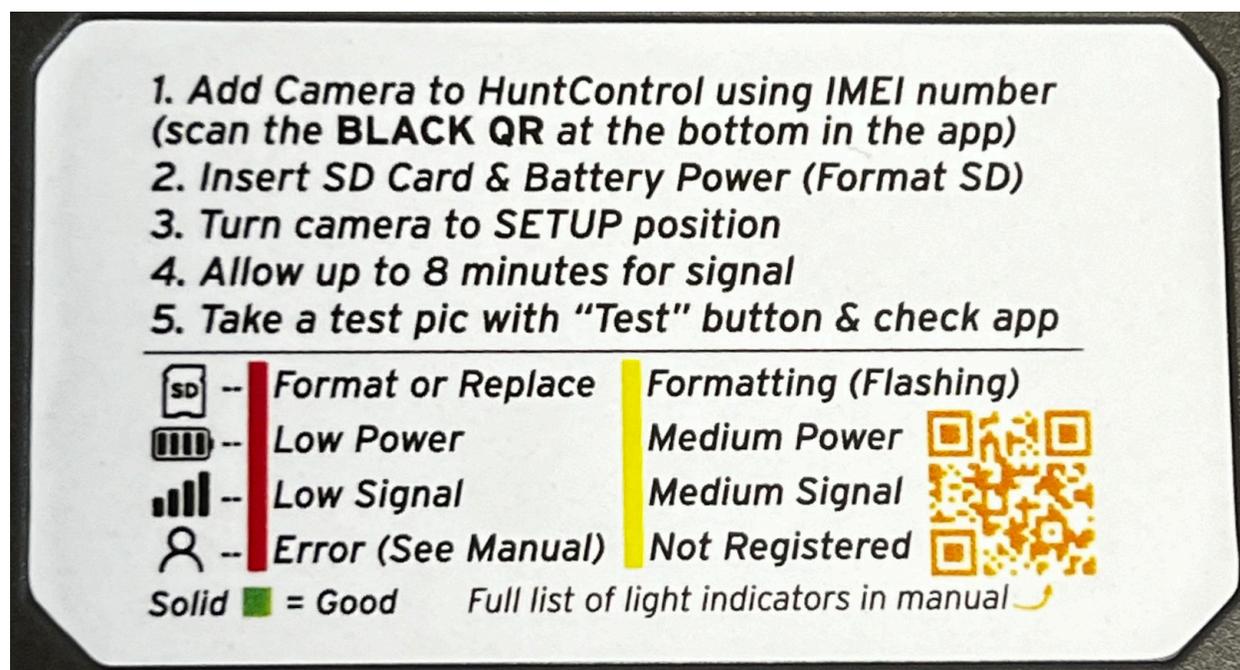
Camera Firmware Upgrade

Reset

Get A Picture

SD Format

QR Code

- This QR Code contains the IMEI number of the camera. This can be used to add the camera to the HuntControl App.

MC-2 Quick Guide

If you become stuck during setup, refer to this guide to help you through the process!

1. Add Camera to HuntControl using IMEI number (scan the **BLACK QR** at the bottom in the app)
2. Insert SD Card & Battery Power (Format SD)
3. Turn camera to SETUP position
4. Allow up to 8 minutes for signal
5. Take a test pic with "Test" button & check app

Icon	(Red)	(Yellow)
SD	Format or Replace	Formatting (Flashing)
🔋	Low Power	Medium Power
📶	Low Signal	Medium Signal
👤	Error (See Manual)	Not Registered

Solid ⬛ = Good   *Full list of light indicators in manual*

MC-2 Status Panel LED Lights
(From left to right)

- **Status -** If solid green, the camera is in perfect working order. If red, something is wrong.

- **SD Card -** If SD Card needs to be formatted, light will be Red. If SD card is formatted and working, it will be solid green.

- **Battery -** If battery levels are good, it will display green. If yellow, batteries are low. If light is Red, batteries are dangerously low. If no lights come on at all, the batteries are completely dead.

- **Signal Strength** - Good signal is Green, Medium signal is Yellow, and Low Signal is Red.

- **Account Recognition -** If light is Green, the camera is connected to HuntControl. If the light is yellow, the camera is connected to HuntControl, but not in your Account. If the light is Red, the camera is not connected to HuntControl at all.
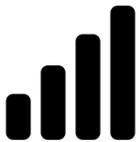

 If the Signal Light does not turn green, adjust the antenna and turn the camera off and turn it back to SETUP again. If the light is still Yellow or RED, the signal may be weak in your area.

LED Lights

- If the switch is set to OFF or ON, then all lights should be OFF.
- When the camera is set to ON, all lights should be OFF
- During Reset (Hold Reset button for 5 seconds) All lights turn green and then turn off.

Light	Action	Meaning
Red Power Light on Outside of Camera Housing	**OFF**	Camera is in SETUP or ON
	Solid Red	Camera is powered on and in SETUP Mode
	1 Flash Per Second	PIR Trigger has been detected. Used for testing motion sensor effective range.
	Flashing 5 Times	Camera was left in setup without activity for 3 minutes and will now power on.
	2 Flashes Per Second	Camera is installing updates.
STATUS Status Light	**Solid Green**	Device status is normal
	1 Green Flash per second	Sending a test image. Should be solid green if successful.
	2 Green Flashes per second	Software update. Camera will restart if successful.
	Solid Red	Device status is not normal. Possible Causes: No SD Card Corrupt SD Card Low Battery Problems with Cellular Connection
	1 Red Flash per second	Sending test image failed
	2 Red Flash per second	Firmware Upgrade Failed

Light	Action	Meaning
SD Card Status Light	**Solid Green**	SD Card is Normal
	1-2 Green Flash Per Second	Debug is On - SD Card is Normal
	Yellow Light Solid	SD Card is Full or needs to be formatted
	1 Yellow Flash Per Second	During SD Card Formatting
	Solid Red Light	No SD Card or SD Card could not be formatted
	1 Red Flash Per Second	SD Card not working
Battery Status Light	**Solid Green**	Full Battery External Power Connected
	Solid Yellow Light	Battery is medium power <40%
	Solid Red Light	Low Battery Power <10%
	2 Red Flashes Per Second	Replace battery or recharge external source. Camera will shut down.
Signal Status Light	**1 Green Flash per Second**	Trying to connect to the cellular network
	Solid Green	Connected with good signal strength 80-100%
	Solid Yellow Light	Connected with medium signal strength 40-80%
	Solid Red	Connected with low signal. Attempt a test picture to make sure the camera can successfully send. Would not recommend video mode. 20-40%
	1 Red Flash Per Second	No Sim Card Detected or No Connection
	2 Red Flashes per Second	Problem with the cellular modem

| Light	Action	Meaning
Account Status Light	**Solid Green**	Successful connection to HuntControl
	1 Green Flash Per Second	Attempting to connect to HuntControl
	Quick Flashing for 5 Seconds	Command Received from HuntControl App
	Solid Yellow	Connected to HuntControl but device is not registered to your account.
	1 Yellow Flash per Second	Camera not registered in HuntControl Database. Contact Support.
	2 Yellow Flash Per Second	Other Communication issues, contact support.
	Solid Red	No connection to HuntControl

HuntControl Features

For Full HuntControl Details and Features, visit wiseeyetech.com

Setting the Cameras Location

The MC-2 does not have a built-in GPS, so the location of the camera should be manually set using HuntControl. You can do this 1 of 2 ways.

1. When adding the camera to your account, pre set the location using the pin on the map by Dragging and Dropping the pin to the desired location. You can also, set the location by typing in the GPS coordinates manually or using the "Move Near Camera" option by selecting a camera in your account to move this camera near it.

2. If the camera is already in your account, go to the CAMERAS TAB and tap ⓘ button next to the desired camera from the list. From that page, Drag and Drop the pin of the camera to the desired location. You can also, set the location by typing in the GPS coordinates manually or using the "Move Near Camera" option by selecting a camera in your account to move this camera near it.
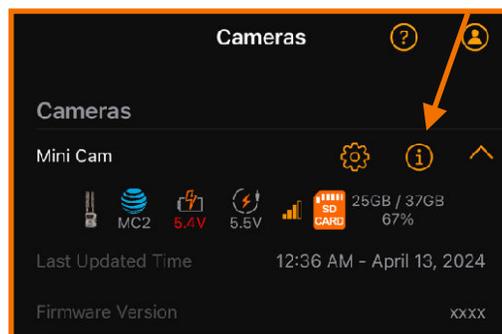
Over the Air Updates

When a remote firmware update is available for your camera you may see the Firmware Update button, below, in your app. Please follow the instructions when using this

feature. The remote firmware update will not install unless the camera has greater than 50% battery remaining, or an external power source.

Setting Notifications

In HuntControl, you can customize your notifications to your preferences. To do this, open HuntControl and navigate to My Profile. Indicated by a person silhouette icon, below.

MC-2 Real Time Settings Changes

- Turn the MC-2 to SETUP and let all the lights turn solid green, then access the Remote Control page in HuntControl to modify the settings. HuntControl will display "Connected" on the Remote Control page when the camera is linked to your account and is ready for Real Time setting changes.
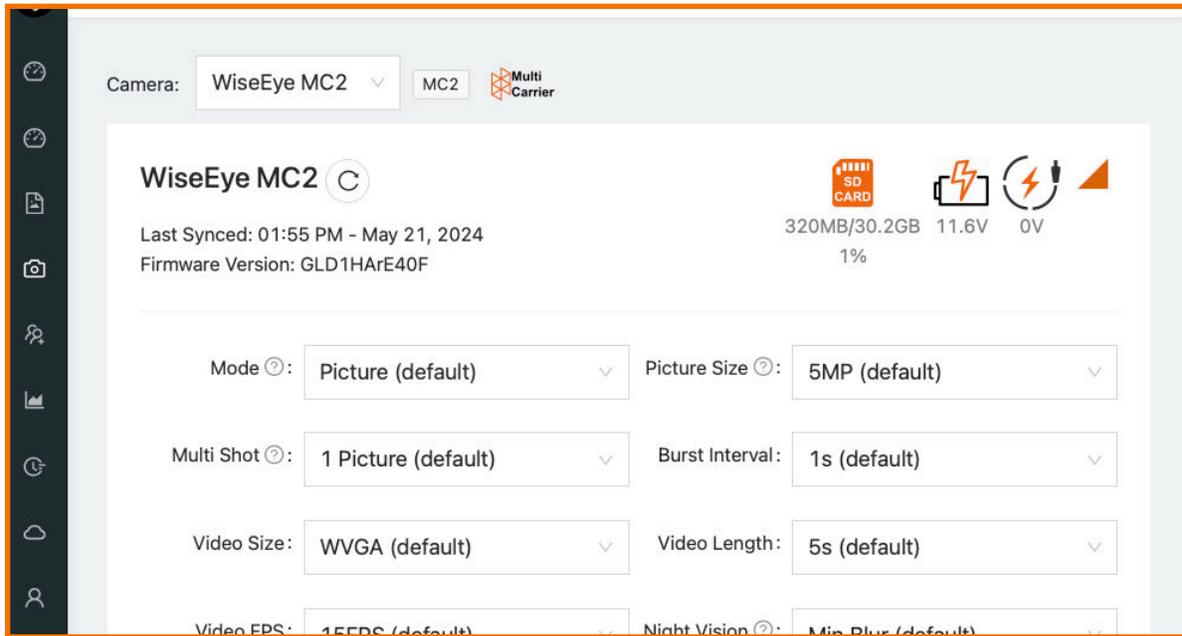
To access the Remote Control Menu on the Mobile App, tap on the GEAR ICON next to the cameras name under the CAMERAS tab.
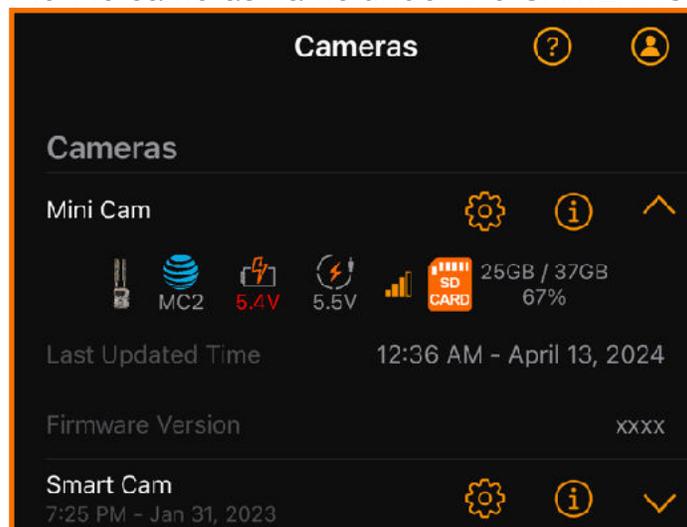
Settings
Below is a description of each of the settings that you will find in HuntControl.

Picture
- Camera will collect images to send to HuntControl, when motion is detected.
- You can change the number of images taken and the image quality, please see the "Picture Size" and "Burst Mode" sections.

Video
- Camera will collect videos to send to HuntControl when motion is detected.
- You can select whether you want the videos uploaded automatically or by request. If you would like the uploaded automatically choose "Full Video". If you would like to request at a later time, choose "Thumbnail Image".

Pic+Video
- The camera will collect both images and videos, when motion is detected.
- You can select whether you want the videos uploaded automatically or by request in the "Remote Control" menu.
- You can set the length and quality of the videos in the "Camera" menu, please see the "Video Size" and "Video Length" sections.

Picture Size
- Set the Mega Pixel of the camera's photos. You can set the images to be 5M, 8M, 12M. The camera sends a HD image, but the full size image will be stored on the SD card. The MegaPixel setting only affects the size of the full size images.

Burst Mode
- The camera can take multiple photos in burst mode. You can set the camera to take anywhere between 1 and 3 pictures in a short amount of time.

Video Size
- Changes the size of the video that is stored on the card and transmitted to HuntControl.
- **WVGA** - This is non HD video that has much smaller files and will result in the best data usage and battery life.

- **720P** - This is 720P HD Video. These files will be larger and take longer to send to HuntControl.
- **1080P** - This is 1080P Full HD Video. This is the largest and clearest video file that can be produced.

> *The Default setting for videos is to send a thumbnail first, and you can request the full video later. This is to save data in your plan. You can change the camera to send all videos as a full video.*

Flash Distance
- Controls how bright the IR flash will be during Night images.
- Far - The more powerful IR setting, will shine the brightest and the furthest but can result in over exposed images if the subject is close.
- Near - less powerful setting, can save battery, but reduces IR distance.

Motion Sensitivity
- You can fine tune the camera's motion sensor to your choosing. 1 is the lowest sensitivity, and 9 is the highest sensitivity. *(See the "Setting the Motion Sensor" page for more information)*

Time Lapse
- You can set your camera to take pictures at a specified interval.

Camera Name
- Name your camera to keep track of it easier. You can name the camera whatever you wish! The name will appear on the bottom ribbon of each image. *(Note: This name is not the name you see in HuntControl*

Motion Sensitivity
- 1 is the least sensitive setting for the motion sensor, 9 is the most sensitive.
- Most users find settings between 5-7 are the best overall.
- Higher settings can result in more false triggers and will require more site preparation, such as clearing vegetation and positioning the camera properly.
- Lower settings are best used when the camera is closer to the target area.

Next Image Delay (PIR Delay)
- The amount of time between sending one image and taking the next.
- Lowest possible value is 10 seconds.

	By default the camera can not take another image until the first image has been fully transmitted and the delay time has passed. If you want to collect as many images as possible, you can change the camera to collect the images and send them in batches please see the Sending Frequency section

Camera Check In
This menu lets you control how quickly the pictures are sent after they are taken.
- **Always On -** Allows you to send commands and the camera will react immediately. You can also take an instant pic in this setting only. (Note: When camera is in the "Always On" Mode under the "Remote Control" Section, all Pictures will be sent immediately.)
- **4 Times Daily -** Determines how often the camera will check in with the server to look for commands from you (4 times a day). This is the default setting to help save on power consumption.

	When the camera is in Always On, it will consume more power and shorten the battery life. This is only recommended if a solar panel or external power source is being used. These can be purchased at wiseeyetech.com

Send Frequency
This menu lets you control how quickly the pictures are sent after they are taken.
- **Immediately** -This setting will send your pictures to you as soon as they are taken.
- **Every 1H** - This setting will send all the pictures taken within the hour instead of immediately. The images will be sent in batches every hour.
- **Every 4H** - This setting will send all your pictures taken within a 4 Hour duration instead of immediately. The images will be sent in batches every 4 hours.

Upload Video

- **Thumbnail Image** - This setting will send a single frame of the video as a still image to HuntControl. From HuntControl, you can request the full video from the still image at a later time.
- **Full Size Video** - This setting will send a full-length HD video, but will consume data faster than the thumbnail option.

Troubleshooting/Warranty

Symptom	Recommended Steps
MY CAMERA WON'T SEND IMAGES.	1. Make sure the camera is in your HuntControl account 2. Format the SD Card 3. Make sure the camera has cellular signal 4. Send a Test Image
MY CAMERA WON'T SEND VIDEOS	1. Make sure your video setting is not set to "Don't Send Video" 2. The camera may not have enough signal to send a full video. Try to turn the camera to a shorter video length, lowering the video quality, or try the Thumbnail Option.
MY BATTERIES DIED VERY QUICK.	1. Make sure the camera is set to "4 Times Daily" not "Always On". If you need to use "Always On", you will need a solar panel or external power source. These are available at wiseeyetech.com 2. If you are using AA batteries, make sure you are using name brand batteries, they will last longer.
I CAN'T GET GPS LOCATION ON THE CAMERA.	1. The MC-2 does not have a GPS unit. The camera location should be manually set using HuntControl.
ACCOUNT ICON LIGHT TURNED RED	1. Make sure the camera is placed in your HuntControl Account. 2. Contact WiseEye support
THE SD CARD RED LIGHT WON'T GO AWAY	1. Make sure the SD card is fully inserted 2. Format or Replace the SD Card
MY IMAGES ARE BLURRY	1. Adjust the Night Settings to Balanced or Minimum Blur 2. Adjust the position of the camera to make sure objects are not too close and causing too much IR light to be reflected towards the camera.
I GET PICTURES OF NOTHING	1. Reduce the motion sensitivity 2. Make sure objects such as branches and tall grass are removed from in front of the camera.
NO SIGNAL - RED LIGHT	1. Restart the camera 2. Make sure the SIM card is fully seated in the camera 3. Make sure the camera has been added to your HuntControl account. 4. Contact Support

Warranty

This camera is warrantied against manufacturer's defect for a period of two years from the original purchase date, to the original purchaser. Please keep a record of your purchase for warranty claims. For full Warranty Details, please visit wiseeyetech.com. Contact WiseEye support with any warranty or support related questions at 225-478-4026 or support@wiseeyetech.com.