



Wi-Fi Inspection Camera / Video



244-5966

OPERATOR'S MANUAL

CAUTION: To Reduce The Risk Of Injury, User Must Read And Understand Operator's Manual. Save These Instructions For Future Reference.

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SAVE THIS MANUAL

- Reference this manual for all safety warnings and precautions, operating and maintenance procedures, parts list and diagrams.
- Keep your invoice with this manual and write your invoice number on the inside of the front cover.
- Keep the manual and invoice in a safe, dry place for future reference.
- Be sure to read and understand all safety instructions in this manual, including all safety alert symbols such as "danger", "warning", and "caution" before using this tool. Failure to follow all instructions may result in serious personal injury.
- Save all warnings and instructions for future reference.

INSPECTION CAMERA / VIDEO SAFETY INSTRUCTIONS

WARNING:

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate camera near moving machinery. The cable can be tangled in moving parts, pulling in the power tool and your hands and arms.
- Do not use near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Children should not be allowed to use this device.

ELECTRICAL SAFETY

⚠ CAUTION:

- Do not use camera to inspect spaces or enclosures known or suspected to contain live electrical wiring
- The camera is not shock resistant, do not immerse the camera handle or display screen in water.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used according to appropriate conditions will reduce personal injuries.

USE AND CARE

- Use personal eye protection according to the particular investigations.. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Switch off the instrument when not in use and store in a dry place
- This Visual Inspection Camera is not intended for medical use or personal inspection.
- Store the camera out of the reach of children and do not allow persons unfamiliar with the camera or these instructions to operate the item.
- Use the camera and its additional cable in accordance with these instructions, taking into account the working conditions and the work to be performed.
- Use of the camera for operations different from those intended could result in a hazardous situation.
- Only use accessories specifically recommended for this camera, others may be hazardous
- Clean only with dry cloth or additional soap. Certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include: gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia.
- Keep the apparatus handle clean, dry and free of oil or grease.
- Do not expose instrument (display) to moisture
- Always remove the batteries before cleaning.
- Replace all batteries at the same time with new ones and use only the size and type of battery specified
- Attention should be given to the environment aspects of battery disposal
- Permanent damage to the flex tube and loss of operation will occur if the flex tube is subjected to narrow radius or sharp angle bends.

OVERVIEW

The MASTERFORCE™ Wi-Fi Inspection Camera / Video is a portable, hand-held, multifunctional inspection camera featuring an ultra-compact 8.5mm diameter camera and a high quality digital sensor that provides crystal clear video output. The camera connects via Wi-Fi to most smart devices for convenient viewing on any size screen. Using the free downloadable app, video, still images, and sound can be recorded, saved, and shared. Up to 5 viewing devices may be connected to the Wi-Fi at one time.

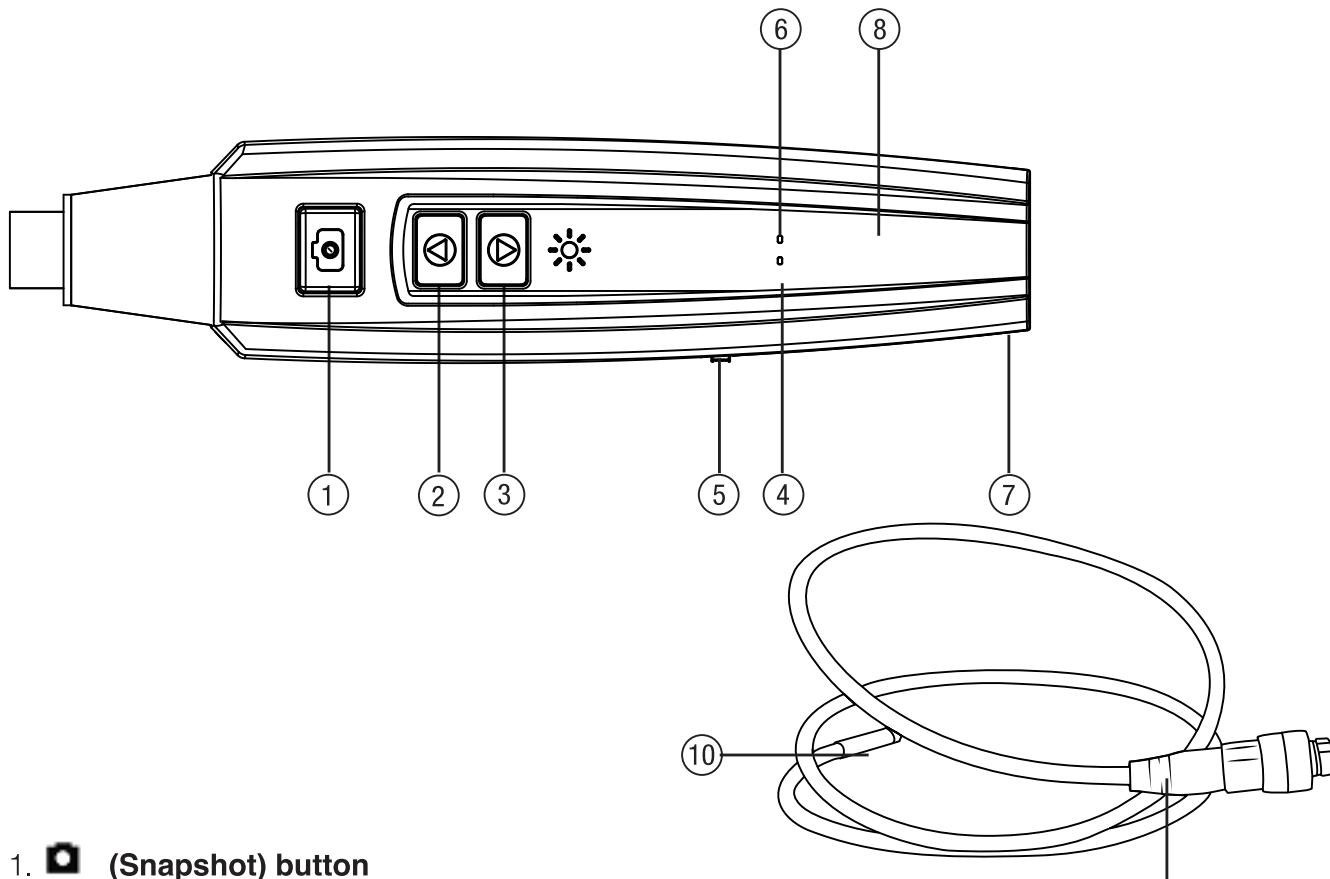
APPLICATIONS

MASTERFORCE™ Wi-Fi Inspection Camera / Video has many potential applications, including, but not limited to:

- Automotive repair and maintenance
- Inspection of hard to reach or hard to see areas on vehicles, equipment, and structures
- Plumbing and construction
- Heating and air conditioning repair

NOTE: This product is not intended for medical use.

PARTS LIST



1. **Snapshot button**
2. **button.** Increases brightness of the four camera lighting LEDs
3. **button.** Decreases brightness of the four camera lighting LEDs
4. **Wi-Fi status LED.** Flickers blue when MASTERFORCE™ Wi-Fi Inspection Camera / Video is transmitting probe video to app-enabled device
5. **ON/OFF switch** (on left side)
6. **Power on LED.** Glows solid red when MASTERFORCE™ Wi-Fi Inspection Camera / Video is powered by adequately charged batteries. Begins TM flashing red when batteries' charge drops below 3.5VDC.
7. **Battery compartment** (on back)
8. **Grip**
9. **Camera cable connector**
10. **Camera head probe**

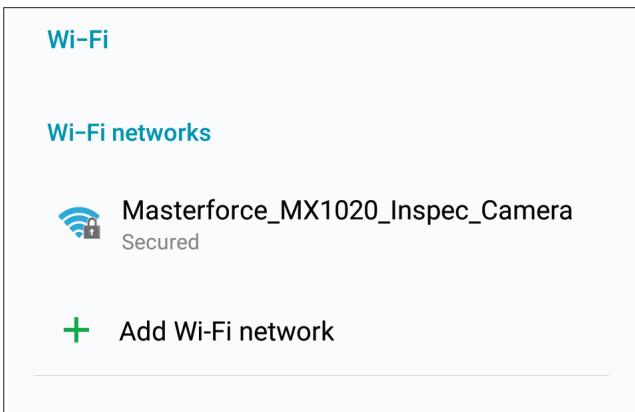
TOOL SETUP

1. Open battery compartment by removing screw and sliding battery door down
2. Insert 4 AA alkaline batteries, making sure to insert correctly according to polarity
3. Attach camera shaft by twisting barrel connector clockwise
4. Slide power switch to the ON position

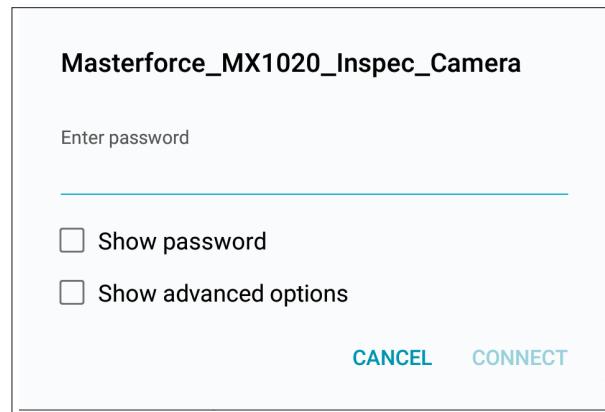
SOFTWARE SETUP

ANDROID™ PHONE AND TABLET SOFTWARE SETUP

- Open Google Play™ store and search for “Masterforce™ Inspection Camera / Video”
- Download and install app
- On your Android™ device, open the Settings page
- From the Settings page, select “Wi-Fi Settings”
- Press the “Search” button to scan for Wi-Fi networks
- Select the “Masterforce_MX1020_Inspec_Camera” network
- Connect to the network and enter the password “00000000”
- Start the Masterforce™ WI-FI Video scope application



Wi-Fi Settings Screen

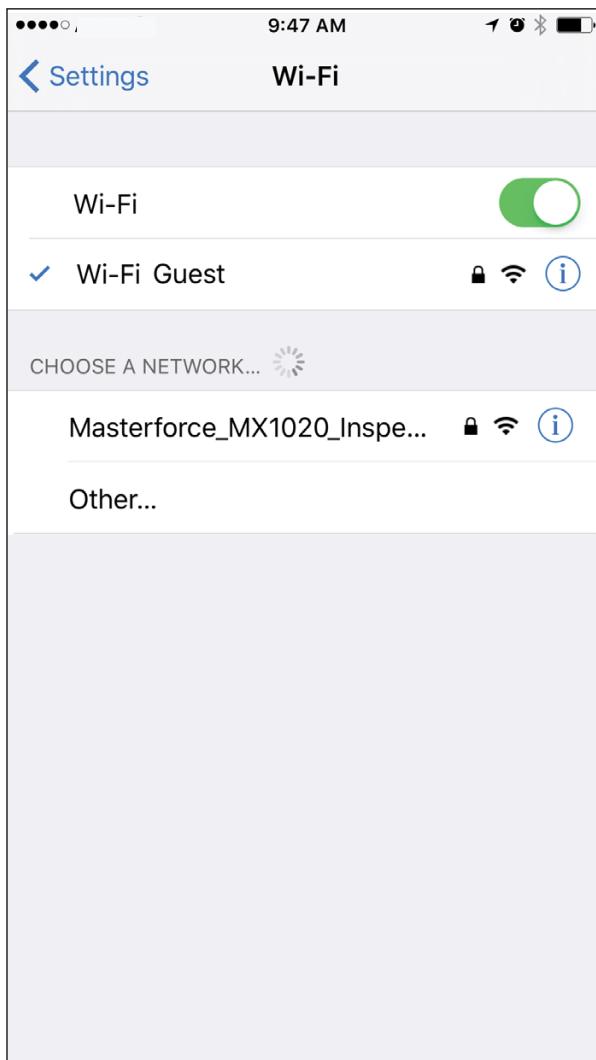


Wi-Fi Connection Screen

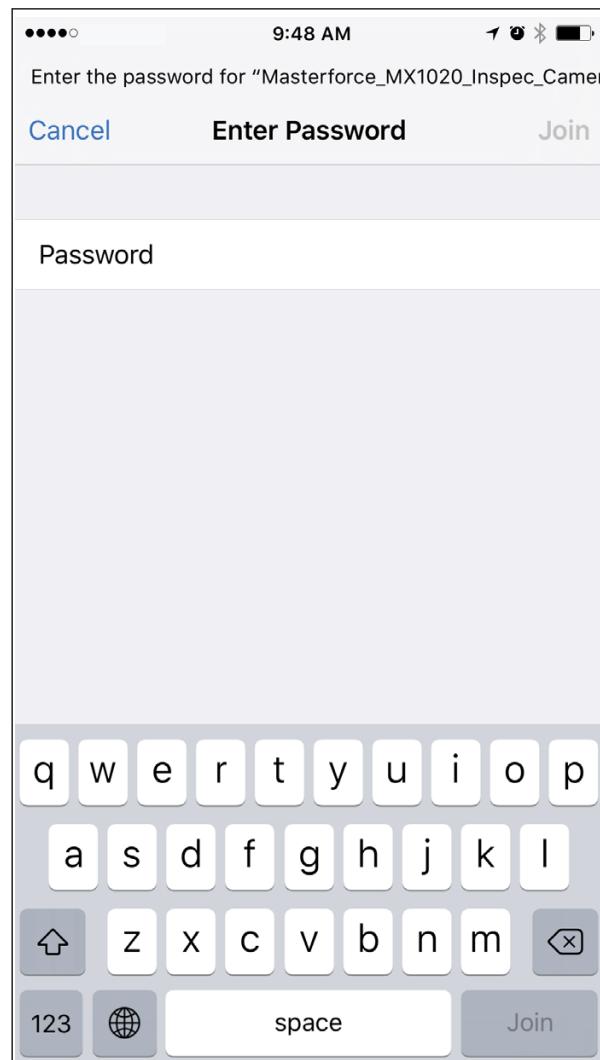
SOFTWARE SETUP

iPHONE® AND iPAD® SOFTWARE SETUP

- Open iTunes Store and search for “Masterforce™ Inspection Camera/Video”
- Download and install app
- On your iPhone or iPad open the Settings page
- From the Settings page, select “Wi-Fi Settings”
- Select the “Masterforce_MX1020_Inspec_Camera” network
- Connect to the network and enter the password “00000000”
- Start the Masterforce™ Wi-Fi Video scope application



Wi-Fi Settings Screen

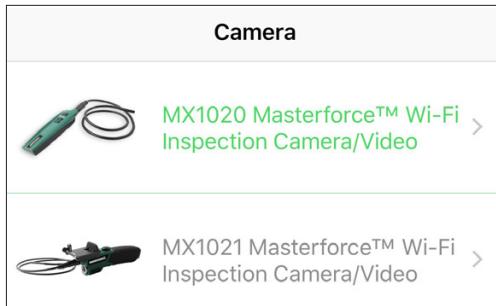


Wi-Fi Connection Screen

OPERATING INSTRUCTIONS

ANDROID™, iPHONE®, AND iPAD® CAMERA SELECTION PAGE

- Ensure camera is powered on
- Launch the Masterforce™ Wi-Fi Inspection Camera/Video App
- From the Inspection Camera/Video List page, select the MX-1020 Masterforce Wi-Fi Inspection Camera/Video



Inspection Camera/Video List Page

CAMERA PREVIEW PAGE

The camera preview page displays a real time picture of what the camera is aimed at and also allows control over camera functions.



- To increase or decrease the size of the Inspection Camera/Video image, press the  and  buttons
- To rotate the view of the Inspection Camera/Video image, press the  and  buttons
- To fit the Inspection Camera/Video image to your screen automatically, press the 

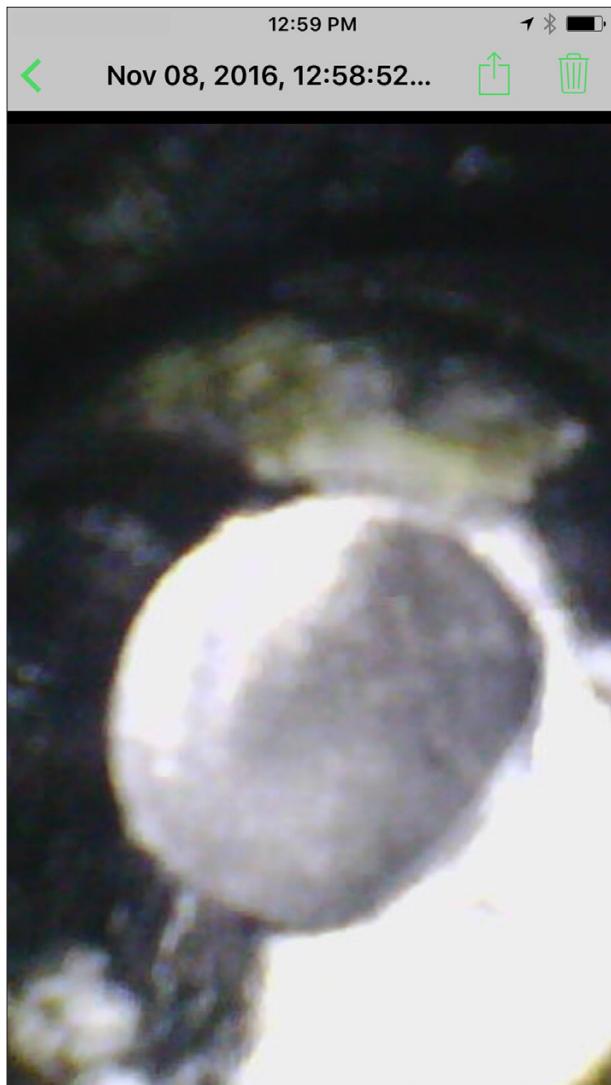
NOTE: The picture size and position can also be adjusted by using pinch and drag finger actions on the touch screen of smart devices

- To capture an image of what the camera is currently displaying, press the  button. To take a picture, press the  button. A message that the image was successfully saved will be displayed. 
- To record a video, press the  button. Then, press the  button to begin recording. A timer with the elapsed time of the recording will appear. 
- To stop recording, press the 

OPERATING INSTRUCTIONS

VIEWING AND SHARING SAVED IMAGES AND VIDEOS

Still images and videos that are taken during use of the Wi-Fi Inspection Camera / Video are saved to a media gallery in the app. From the Media Gallery, these files can be viewed and shared with others.



iPhone® / iPad® Media Gallery

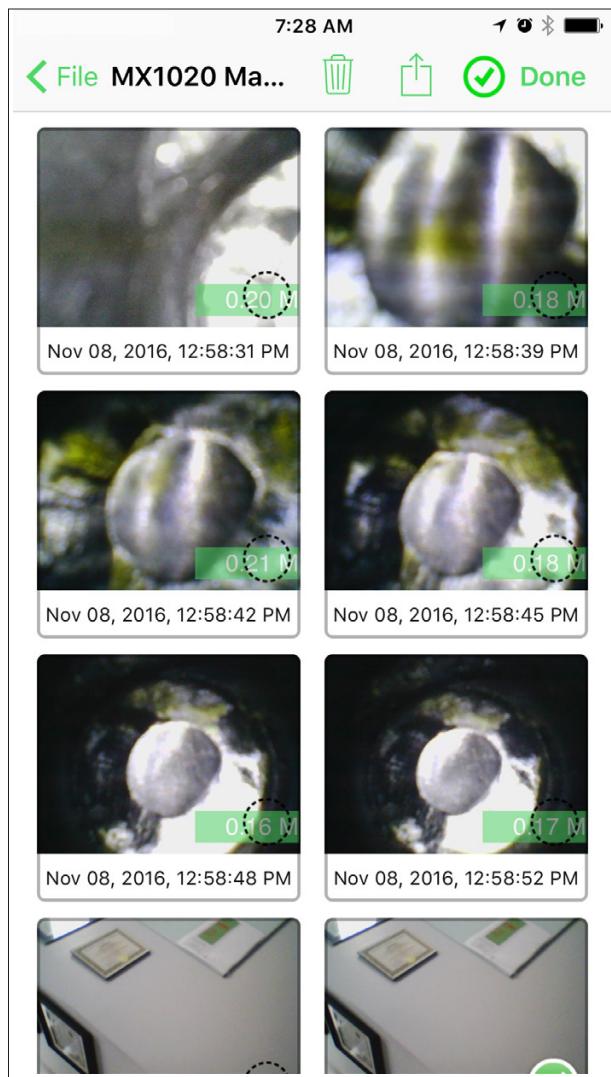


Android™ Media Gallery

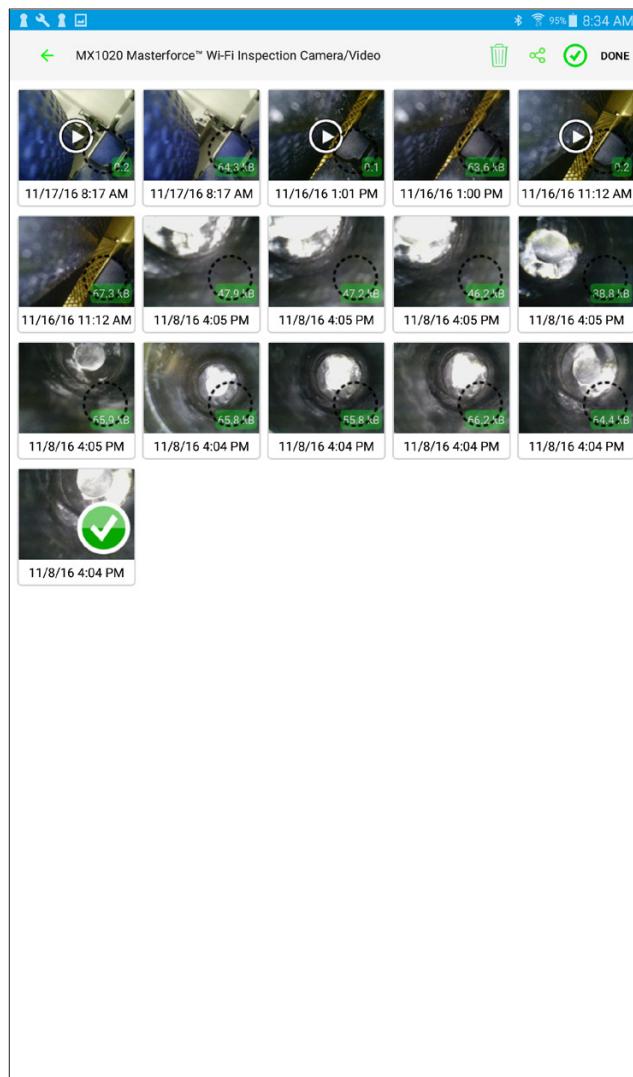
- To access the Media Gallery, click the  button from the Camera Selection page.
- Select the “Masterforce™ Wi-Fi Inspection Camera / Video” from the Source List. Thumbnails of all saved items will be displayed.

OPERATING INSTRUCTIONS

- Press the back button to return to the Media Gallery
- To delete multiple files, press the **Edit** button. Select the checkbox of each file you wish to delete and press the  button.
- Use the  button for iOS devices and  button for Android devices for sharing files.
- To select and deselect all files use the  button.



iPhone® / iPad® Edit Page



Android™ Edit Page

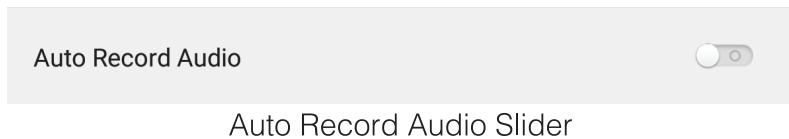
OPERATING INSTRUCTIONS

SOFTWARE SETTINGS

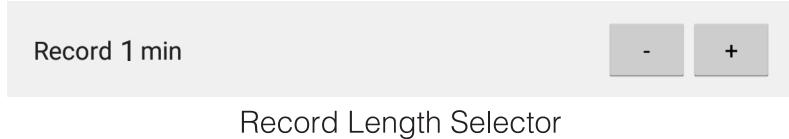
Several software functions can be modified using the Settings page. Additionally, customer support contact information can be found here.



- To access the settings page, click on the **More** button from the Camera Selection screen.
- The Auto Record Audio slider determines if the microphone will be activated or not during recording. To turn on the microphone, move the slider to right position. To turn off, move the slider to the left position.



- The Record Length selector determines the maximum amount of time per video that will be recorded. To increase or decrease the value, press the record button until the desired value is achieved.



- The About Us button gives useful information about the product, including contact information for customer service.

SPECIFICATIONS

| Description | Data |
|-----------------------|----------------------------------|
| Network Standard | IEEE 802.11 b/g/n |
| Antenna | Built in IPEX antenna |
| Operating Frequency | 2.4 GHz |
| Date Rate | 802.11 a/b/g/n up to 150 Mbps |
| Camera Diameter | 8.5mm |
| Shaft Length | 1 meter |
| Video Resolution | 640x480 |
| Viewing Angle | 60° |
| Depth of Field | 30mm-70mm |
| Camera Light Source | 4 adjustable high intensity LEDs |
| Water/Dirt Resistance | IP67 certified |
| Operating Temperature | 32° to 113°F (0° to 45°C) |
| Power Source | 4x AA batteries |
| Max Battery Life | 2-3 hours continuous use |

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NOTES



Wi-Fi Inspection Camera / Video

WARRANTY

90-DAY MONEY BACK GUARANTEE

This MASTERFORCE™ brand tool carries our 90-Day Money Back Guarantee. If you are not completely satisfied with your MASTERFORCE™ brand power tool for any reason within ninety (90) days from the date of purchase, return the tool with your original receipt to any MENARDS® retail store, and we will provide you a refund - no questions asked.

3 YEAR LIMITED WARRANTY

This MASTERFORCE™ brand tool carries our famous No Hassle 3 Year Limited Warranty to the original purchaser. If, during normal use, this MASTERFORCE™ power tool breaks or fails due to a defect in material or workmanship, simply bring the tool with the original sales receipt back to your nearest MENARDS® retail store. At its discretion, MASTERFORCE™ agrees to have the tool or any defective part(s) repaired or replaced with the same or similar MASTERFORCE™ product or part free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this 3 year limited warranty does not cover any damage that has resulted from abuse or misuse of the Merchandise. This warranty: (1) excludes expendable parts including but not limited to blades, brushes, belts, bits, light bulbs, and/or batteries; (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this 3 year limited warranty are to the original purchaser of the merchandise and may not be transferred to any subsequent owner. This 3 year limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts -
Please call toll free at: 1-800-255-7011 (M-F 8am - 6pm CST)

**SAVE YOUR RECEIPTS
THIS WARRANTY IS VOID WITHOUT THEM**

MASTERFORCETM

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