

Mobi. 

**MobiCam<sup>®</sup>AV**

Wireless Audio/Video  
Monitoring System

Model # JY238

# **USER'S MANUAL**

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## **INTRODUCTION**

Thank you for purchasing the MobiCam AV Wireless Audio/Video Monitoring System, which incorporates the latest in advanced technology. We feel you will be pleased with the quality and features of this product.

This 900 MHz Color Camera and LCD Monitor set enables you to transmit picture and sound signals wirelessly, which is ideal for applications such as baby monitoring, household security, office or warehouse surveillance, etc.

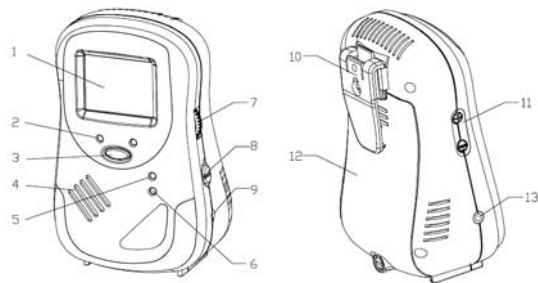
## **PACKAGE CONTENTS**

Please note the package should include the following:

- a) 1 x Camera Unit
- b) 1 x Monitor Unit
- c) 2 x AC/DC adaptors
- d) 1 x Audio/Video Cable
- e) Instruction Manual

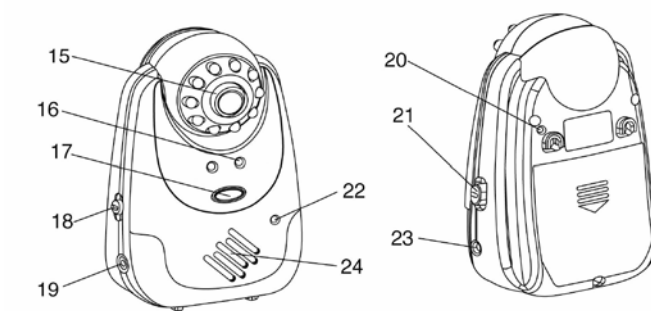
## MONITOR UNIT FEATURES

1. TFT LCD Display
2. Channel indicating LEDs
3. Channel Selection Switch
4. Speaker
5. Automatic Channel Scan Indicator
6. Power On/Off Indicator
7. Volume and power On/Off switch
8. LCD On/Off Switch
9. DC Jack
10. Belt Clip
11. Brightness Control (+)(-)
12. Battery Door
13. Audio/Video output



## CAMERA UNIT FEATURES

15. Camera Lens
16. Channel Indicators LEDs
17. Channel Selection Switch
18. Voice Activation Action Selection Switch
19. Analog Audio/Video Input Jack
20. Light Sensor for Automatic Night Vision
21. Power On/Off Switch
22. Power On/Off Indicator
23. DC Jack
24. Microphone



## **SAFETY INSTRUCTION**

Please observe the following precautions to prevent fire, personal injury, and product damage:

### Read Instructions:

All the safety and operating instructions should be read before the Camera or Monitor are operated.

### Retain Instructions:

The safety and operating instructions should be retained for future reference.

### Heed Warnings:

All warnings on the MobiCam AV System and operating instructions should be adhered to.

### Follow Instructions:

All operating instructions should be followed.

### Water and Moisture:

This product is designed for indoor use only. The unit should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on or near either unit. Neither unit should be used near water; for example, near a bath tub, wash bowl, sink, lavatory, laundry tub, wet floor, swimming pool, etc.

### Ventilation:

The MobiCam AV Camera and Monitor units should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in an enclosed installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

### Heat:

The MobiCam AV Camera and Monitor units should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances that produce heat. No open flame sources, such as lighted candles, should be placed on or near the units.

Power Source:

Besides battery operation, the Camera and Monitor units should be connected to the power supply only provided with the MobiCam AC System described in this operating manual (AC/DC adaptors: 9V 500mA Center Positive).

Cleaning:

Use only a dry cotton cloth to keep the Camera and Monitor units free of dust. Do not use a dampened cloth, water, or liquid cleaner of any kind!

Non-Use Periods:

Always remove batteries from the Camera and Monitor and unplug the AC adaptors from wall outlets during long periods of non-use.

Object and Liquid Entry:

Care should be taken so that objects do not fall into, and liquids are not spilled into the enclosure through any openings.

Damage Requiring Services:

The MobiCam AV System equipment should be serviced by qualified service personnel when:

- a. Objects have fallen or liquid has spilled into the products; or
- b. The units have been exposed to rain; or
- c. The units do not appear to operate normally or exhibit a marked change in performance; or
- d. The units have been dropped or the enclosures damaged.

Caution:

- a. This product cannot replace responsible adult supervision of a child. You should personally check your child's activity at regular intervals.
- b. Never use this the MobiCam AV System to a degree where your life or health or the life or health of others, or integrity of property, depends on its function! Manufacturer will not accept any responsibility, or claim for death or injury, of any person, or loss or damage of any property, due to malfunction or misuse of the product.

Batteries:

- a. Replace only with the same or equivalent type.
- b. Please dispose of old, defective batteries in an environmentally friendly manner in accordance with the relevant legislation.

## STATEMENT ON REGULATION

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.

Operation with non-approved equipment or unshielded cables is likely to result in interference to radio or TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.



# INSTALLATION

## INSTALLING BATTERIES

Camera:

1. Remove the battery cover at the bottom or back of the unit.
2. Insert AA size batteries according to marking in the battery compartment.
3. Align the battery cover tabs with the camera tab holes and replace the cover.

Monitor:

1. Remove the battery cover at the back of the unit.
2. Insert AA size batteries according to the marking of the battery compartment.
3. Align the battery cover tabs with the monitor tab holes and replace the cover.

### ***PLEASE NOTE:***

1. Do not mix old and new batteries.
2. Do not mix alkaline, standard or rechargeable batteries
3. Remove the batteries during long period of non-use.

## INSTALLING AC/DC ADAPTOR:

1. Install the plug of AC adaptor to the DC jack of the unit.
2. Plug the AC adaptor into a standard wall AC power outlet.
3. Switch on the unit with the power ON/OFF switch.
4. The power indicator will be illuminated.

Warning: Improper use of the AC/DC adaptor may damage or cause the units to malfunction, voiding the warranty.

Please note that the service life of batteries is limited. Therefore, when monitoring over long periods and, in particular, overnight, it's recommended to use AC adaptors for both camera and monitor units.

Use only the AC/DC adaptors supplied with the MobiCam AV System.

Please remove batteries from the camera when using the AC adaptor, and make sure only rechargeable NiMH batteries [or no batteries] are inside the battery compartment of the monitor.

**RECHARGING THE UNIT (Monitor Only):**

The Monitor of your MobiCam AV System has a built-in battery recharging circuit. Make sure only rechargeable NiMH batteries are inside the monitor battery compartment before plugging in AC/DC adaptors.

The unit will be in recharging mode with the AC/DC adaptor plug in.

## **CAMERA OPERATION**

### **Power ON/OFF**

Use the Power ON/OFF sliding switch to turn ON/OFF the unit.

### **Channel Selection**

There are 2 channels for selection in order to avoid interference from other signal sources.

Press the channel switching button at the front of the camera.

### **A/V Input**

This feature allows the user to have an optional analog A/V (Audio-Video) input to the Camera unit and transmit this A/V signal to the Monitor unit when the Voice Activation option is selected.

The A/V Input jack is located on the left side of the Camera unit. Use the AV cord to connect the source of an AV signal (e.g. DVD) to the Camera unit.

### **Voice Activation**

**To Activate:** Select the VOX setting on the Voice Activation switch on the left side of the Camera unit.

When the sound level within the area surrounding the unit reaches a preset level, the Camera will begin transmitting the image and sound to the Monitor.

**NOTE:** The LCD on the Monitor unit will be automatically switched off if no signal is received from the Camera

**To Deactivate:** Select the CAMERA setting or AV setting on the Voice Activation switch.

When set to CAMERA, it will only transmit the signal generated but the Camera itself.

When set to AV the Camera will only transmit any AV input signal connected to it continuously via the Audio/Video Cable.

### **Automatic Infra-Red Night Vision**

The infra-red night vision feature of the camera allows it to pick up imagery during darkness or periods of very low levels of light. This function will switch on automatically when the level of light is low.

During this time a black and white image will be displayed on the monitor and only objects within 6 ft/2 m will be seen on the monitor.

## **MONITOR OPERATION**

### **Power ON/OFF**

Use the volume and ON/OFF switch on the side of the unit to turn on the unit.

### **Channel Selection**

Press the Channel Switching Button at the front of the monitor to select a channel with optimized clear image and sound. Channels are indicated by LED lights labeled with letters A or B.

### **Automatic Channel Scan**

Selecting this option allows the Monitor to scan between both channels automatically, stopping at each for about 5 seconds. Press the Channel Switching Button until the LED light labeled AUTO is turned on and starts blinking. Then, images from different Camera units (on different channels) can be seen on the Monitor as the channels alternate.

### **LCD On/Off**

This power saving feature is located on the side of the monitor. When the monitor is switched to LCD "off" position and the camera remains on, there will be no picture on the monitor screen but transmission continues. This way the Monitor uses less power but is still operational as an audio-only monitor. The Monitor will resume working with a clear picture when the LCD is switched back to "on".

### **Brightness Control**

The brightness of the LCD can be adjusted by the 2 Brightness Control buttons on the side of the Monitor unit. (+) to increase and (-) to decrease the brightness of the LCD.

### **Audio/Visual Output Link**

An additional security feature of the MobiCam AV System allows you to link the monitor to a VCR or other video recorder for recording whatever video and sound the camera captures. Also, you can link to a television set that has a "Picture-In-Picture" feature to allow you to continuously view the monitored area while watching your favorite TV program.

The A/V Output jack is located at the left side of the monitor. Simply connect it to the Audio and Video input jacks of your VCR, Camcorder, or TV set with the Audio/Video Cable supplied.

## TROUBLESHOOTING

<u>Problem</u>	<u>Possible Cause – things to do/check</u>
No reception	<ul style="list-style-type: none"> <li>● Unit has not been switched on.</li> <li>● AC/DC adaptor has not been connected.</li> <li>● Battery Levels (check Led indicator: Full Power - Green; Low Power - Orange)</li> <li>● The camera may not be transmitting. (power is not on or is in voice activation mode)</li> <li>● Wrong Channel (Please note the monitor will return to Channel A automatically after power off)</li> </ul>
No picture display but can hear sound	<ul style="list-style-type: none"> <li>● Check if the LCD on/off switch is turned to on.</li> <li>● Low Power (Check LED indicator: Full Power - Green; Low Power – Orange)</li> </ul>
Only Black & White picture displayed	<ul style="list-style-type: none"> <li>● Camera has switched to “Infrared Night Version mode.</li> </ul>
Batteries cannot be recharged	<ul style="list-style-type: none"> <li>● AC/DC adaptor has not been connected.</li> <li>● Non-rechargeable batteries have been used.</li> </ul>
No transmission	<ul style="list-style-type: none"> <li>● Unit has not been switched on.</li> <li>● AC/DC adaptor has not been connected.</li> <li>● Battery Levels (check Led indicator: Full Power - Green; Low Power - Orange)</li> <li>● Check if the voice activation mode is switched on.</li> </ul>

## LIMITED WARRANTY

Mobi Technologies, Inc. warrants this product to be free from defects in material and workmanship for a period of ninety (90) days from the date of purchase. Should this product prove to be defective at any time during the warranty period, Mobi Technologies, Inc. will, at its option, either replace or repair it without charge. After the warranty period, a service charge will be applied for replacement of parts or labor for repair. To obtain warranty service please return the product to Mobi® along with a dated sales receipt from the place of purchase. This warranty does not cover damage caused by accident, misuse, abuse, improper maintenance, unauthorized modification, or connection to an improper power supply. A charge will be made for repair of such damage. This warranty excludes all incidental or consequential damages and any liability other than what is stated above. © 2008 Mobi Technologies, Inc. All Rights Reserved.

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**Warning:**

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.

Changes or modifications to this unit not expressly approved by the party responsible for compliance will void the user's authority to operate the equipment. Any change to the equipment will void FCC grant.

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.

The equipment complies with FCC radiation exposure limit set forth for uncontrolled Environment