



### PRECAUTIONS



Read the following precautions before operating the XtendaCam Inspection Pole.



Contact with power lines can result in death or serious injury.

The following actions will void The warranty:

**DO NOT TWIST THE CARBON TUBES** when adjusting the length of the pole. This will effect the internal communications cabling and destroy the mechanism.

Do not remove the bottom cover from the battery base.

The camera head on the MANUAL XtendaCam, the control pad and the battery are NOT waterproof, they are "splashproof" only. Do not submerge the camera head, control pad, display and battery.

The camera head on the MOTORIZED TILT XtendaCam IS WATERPROOF, HOWEVER, the control pad and the battery are NOT waterproof, they are "splashproof" only. Do not submerge the control pad, display and battery.

### BATTERY ASSEMBLY



1. Remove the battery from the case.
2. Charge the battery. Charging the battery takes 3-4 hours for a complete charge. Note the battery is fully charged upon initial delivery.



3. Align the internal plugs.
4. Thread the base completely onto the pole.



5. When assembling the battery section, apply a light coating of synthetic grease to the "O" Ring. If "O" Ring appears worn replace immediately.  
*Buna O-Ring -131*
6. When the battery is low a warning will be displayed on the monitor, 15 minutes of battery life remain.

### LEG ASSEMBLY

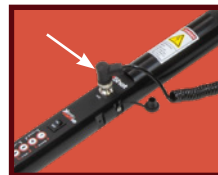


1. Remove the 2 legs from the storage case.
2. Thread in one of the legs into the collar at the working end of the pole.



3. Thread the other leg into the remaining hole.
4. Adjust position- use locking screw to secure in place.

### ATTACHING DISPLAY CABLE



1. Remove the "ACC" plug cap.
2. Insert and thread the plug on the video cable until it seats firmly in place.



3. Attach the mini DIN connector plug from the video cable to the monitor/display/recorder

### RECHARGING BATTERY



1. Remove the charging system from the case.



2. Remove the battery base from the pole.



3. Plug the charging cable into the battery base.

4. Plug the AC power adapter into a wall socket.

5. **DO NOT** remove the bottom cover from the battery base. *This will void the warranty.*

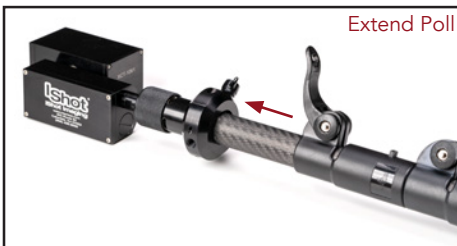
### EXTENDING AND COLLAPSING THE XTENDACAM POLE LENGTH



1. Pull clamp up to release lock.



2. With the clamp lock released the pole can be extended. **DO NOT TWIST THE CARBON TUBES.** When the correct length is achieved, Push down clamp to lock poll.



3. To collapse the poles, perform the above process in reverse. **DO NO TWIST THE CARBON TUBES.**

**PRO TIP:** The clamp can be used as a break when lowering the poll.

*Note: The collet at the camera head is NOT adjustable. Turning/Rotating the collet will void the warranty. If the collet is rotated, the camera head will turn and shear the internal communication cable.*

## CONTROL FUNCTIONS



Display Cable "ACC"

- Zoom - "T" (Tele) → [T]
- Zoom - "W" (Wide) → [W]
- Lamp Intensity "UP/MAX" → [↑]
- Lamp Intensity "DOWN/OFF" → [↓]
- Tilt "UP" → [U]
- Tilt "DOWN" → [D]
- Menu - "T & W" (Press T & W for 1 sec)
- Menu - "Arrows" (Scroll Up and Down)
- Menu - "U" (Select/Enter)
- Menu - "D" (Back/Exit)

# **User Manual**

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## **Multi-Input Monitor DVR**

Model No.: PC-MIDVR7



Rev: 1.4

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Please read this User Manual carefully before using the product!

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## Welcome

You have chosen the most innovative portable HD video inspection monitor with DVR on the market today. This monitor allows for a wide variety of camera video transmission technologies, such as AHD, CVBS, and TVI, to be used as the input source. Please read the user manual carefully before using this product. This device is designed to display real-time video while maintaining the ability to record the video, or capture still images.

Features include: Real-time viewing & recording, image capture, loop recording, power-save mode, media playback, USB connectivity, video out, and supports up to 128gb microSDXC.

If you have any questions concerning your portable Controller/DVR, contact us at:

### **Customer Service**

1-800-535-3626

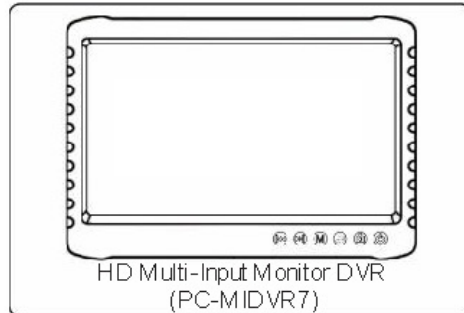
Monday - Friday, 8am to 5pm EST

or any time at:

[service@intertest.com](mailto:service@intertest.com)

[www.intertest.com](http://www.intertest.com)

### Packing List



### Optional Components



\*Model Shown & Different types/sizes available  
\*\*Variety of cable lengths available

### ⚠ CAUTION

- Do not expose the device to dripping or splashing liquids.
- Store unit in a dry cool place.
- Avoid exposure to high temperatures. Best operating temperature 0~40°C.
- Avoid placing the device in direct sunlight.
- Turn off the device when not in use.
- Use only the AC adapter and cables supplied with the unit.
- The device and accessories included are not shock-resistant.
- Do not insert or remove SD card while device is recording.
- Do not cut the power cable provided to fit with another power source.
- The device can only be completely disconnected from power source by unplugging the power adapter and USB cable.
- Properly dispose of the batteries. Exposure to high temperatures can cause the batteries to explode. Do not dispose of batteries in a fire. Some countries have regulations concerning battery disposal. Please follow all applicable regulations.
- **It is strongly suggested that a MicroSD card of class 10/U1 or higher be used from one of the following manufacturers:**

**Kingston**

**SanDisk**

**Toshiba**

**Samsung**

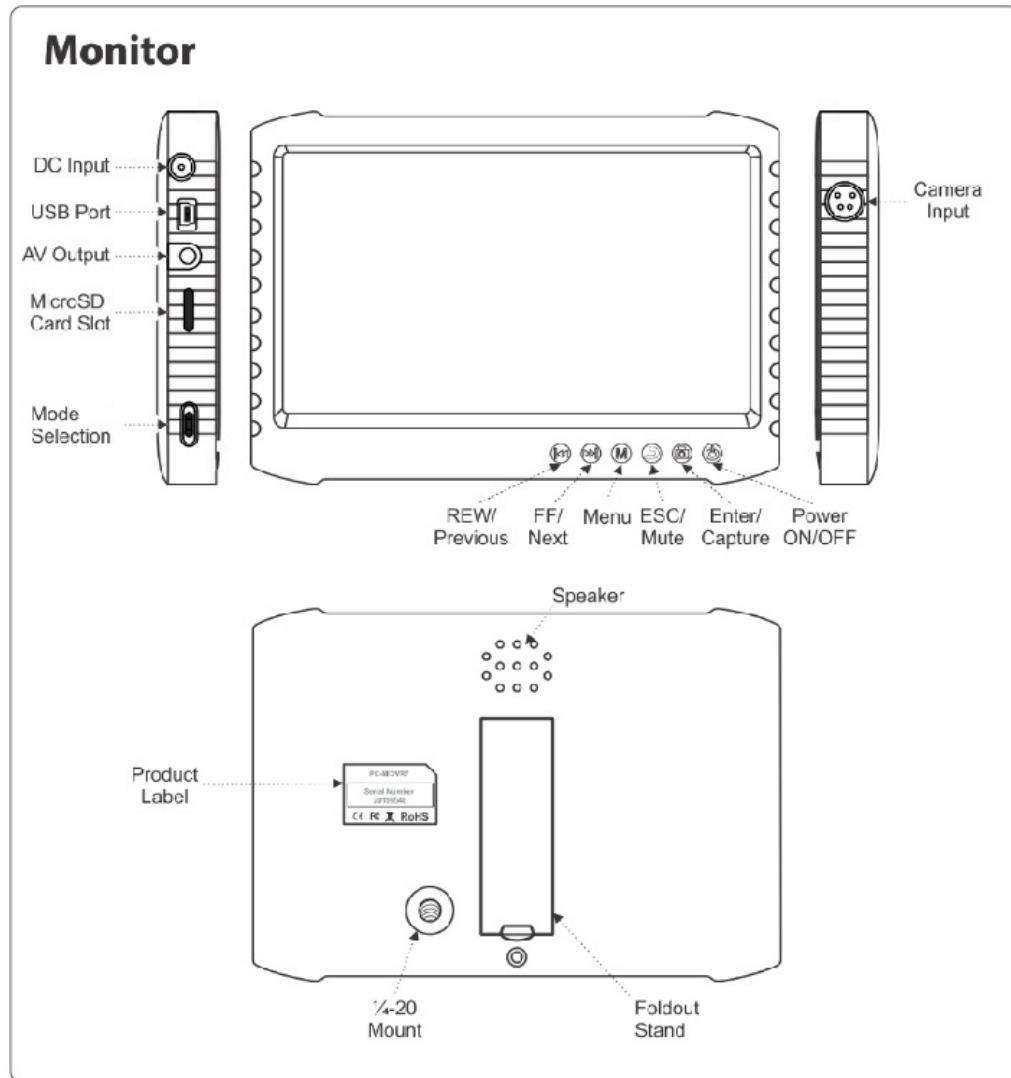
### EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.





**Controls**




## **Installation/Setup**

### **Connect Monitor Power**

Connect the power supply to the unit and plug the power supply into a 100v~240v AC outlet. The unit can also operate and charge via the USB port. Connect the USB cable to the USB port on the unit and the other end into a 5v USB port. Charging will be indicated by on-screen battery icon. Please allow up to 6 hours for full charge. The on-screen battery icon will stop blinking once the unit is fully charged.

### **Insert Memory Card\***

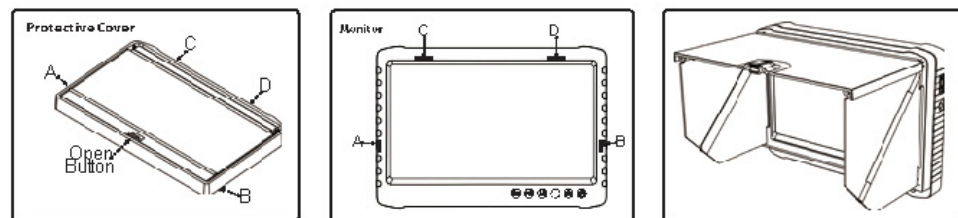
Insert a microSD card (128gb or less) into the MicroSD card slot on the side of the unit. After the microSD card is inserted properly, the screen will display “” and the available storage; otherwise the unit will display “00000MB”.

\*It is strongly suggested that a MicroSD card of class 10/U1 or higher be used from one of the following manufacturers: Kingston, SanDisk, Toshiba, and Samsung.

### **Install Monitor Protective Cover**

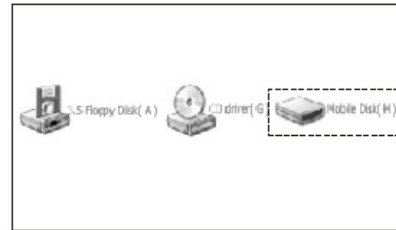
*Refer to Figures below*

The underside of the protective cover has four tabs to lock onto the front of the monitor (Tabs A,B,C,D). Align tabs A and B with corresponding holes, A and B, on the monitor; then gently push the two together and slide the protective cover down towards the bottom of the monitor. Tabs C and D will clip into place. To remove gently push in opposite direction. To open the protective cover, simply press the open button on the front and lift.



### Connect USB Cable (Optional)

Use the USB cable to connect the unit to a PC or Mac. After powering up unit, the USB online icon appears on the PC. Open **My Computer**, and find the **Mobile Disk**. The video/picture files on the MicroSD card can be copied/cut/deleted/played.






### Connect AV Output Cable (Optional)

Insert the AV cable into the AV OUT socket of the unit. Insert the other end of the cable into the VIDEO IN jack of a TV or another display. The DVR unit will output a high quality video signal as well as video playback.

## Operation

### Basic Operation

1. Insert a microSD card. Press and hold the Power ON/OFF button on the unit for two seconds. Slide the Mode Selection switch to  to select video mode,  to select picture mode, or  to select playback mode. Press the Power ON/OFF button to turn On/Off LEDs on camera (LED Control for optional camera heads with illumination). Press and hold the Power ON/OFF for three seconds to power off the unit.

### Other Operations

#### **Record Video**

1. During operation slide Mode Selection switch to  to enter video mode.



2. Press Capture to start recording. The screen then displays “●” in the upper left corner.



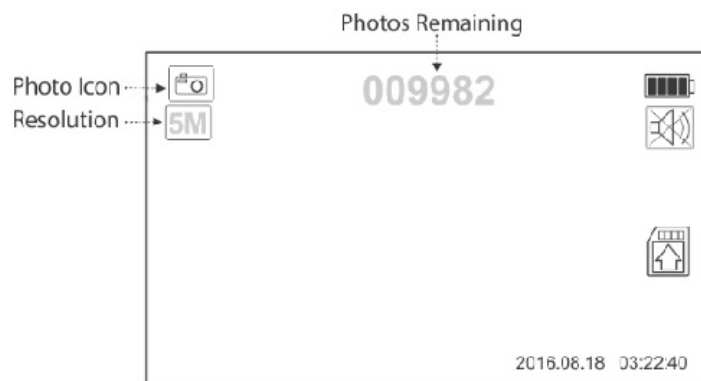
3. Press Capture again to stop recording.

### Notice!

- \* Time Stamp will appear in lower right corner on video playback.
- \* "Full Memory" Alert flashes on screen when Storage is full.
- \* The Video will stop recording immediately if no incoming video detected.

### Take Photo

1. During operation slide Mode Selection switch to  to enter picture mode.




2. Press Capture button to capture a picture. The screen flashes to indicate the picture was saved.

**Notice!**

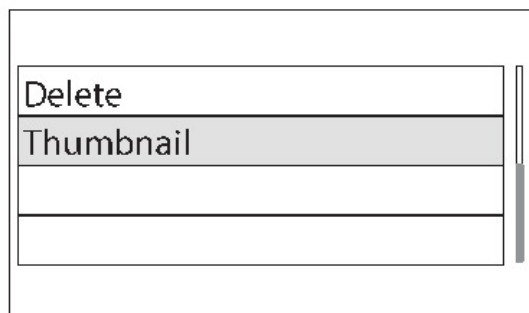
- \* The MicroSD Card is full when the Storage Remaining reads zero.
- \* "Full Memory" Alert flashes on screen when Storage is full.

### Play Video/Picture

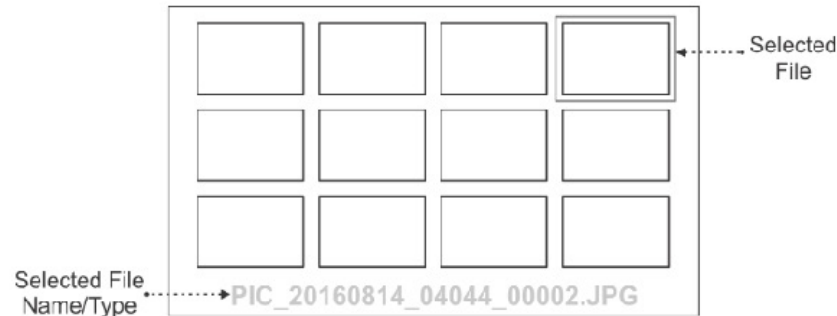
1. During operation, slide Mode Selection switch to  to enter playback mode. Press Previous or Next button to select between files to view., then press Enter button to enter.



2. *For Video:*  
Press Previous or Next button to select a folder, then press Enter button to enter.



3. Press Previous or Next button to select a video, then press Enter button to enter.



4. Playing mode will begin and the selected video will automatically play.



Pause: Press Capture button in playing mode to pause.

Press Capture button to resume.

Fast Forward: Press FF button in playing mode.


Rewind: Press REW button in playing mode.

Stop/Exit: Press ESC button once to stop.

Press ESC again to exit.

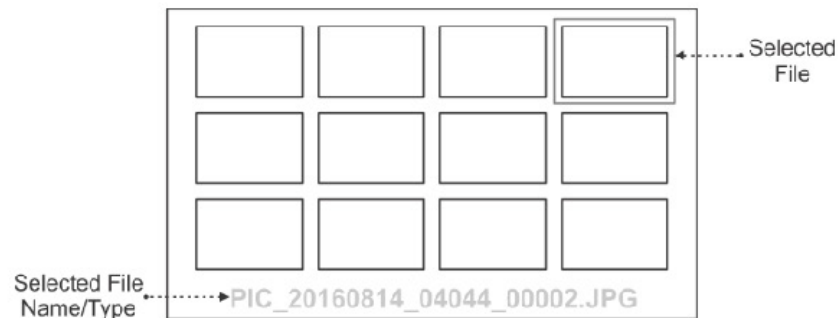
5. *For Picture:*  
Repeat steps 1 thru 3 selecting photo instead of video.  
Press Previous or Next button to select a picture, then press Enter button to display the picture. While viewing, use Previous or Next to go to the next photo in folder.  
Press ESC button to exit.

**Delete Video/Picture**

1. During operation, slide Mode Selection switch to  to enter playback mode. Press Previous or Next button to select between photo and video, then press Enter button to enter.



2. Press Previous or Next button to select a folder, then press Enter button to enter.





3. Press Previous or Next button to select a file, then press Menu button to show options.

Delete	Current
Thumbnail	All
	Cancel



**Magnification**

1. During operation, slide Mode Selection switch to  or  to enter a capture mode. Press Next button to magnify image from 1.0x up to 4.0x. Press Previous button to lower magnification.



**Device Settings**

**Entering Settings Mode**

During operation, press and hold Menu button for about 1-2 seconds to enter the Settings Mode. Menus vary slightly based off Mode Selected. In picture mode, user can adjust picture size, time stamp and date format without affecting formats for video mode and vice versa.

Language	English
Screen Off	Off
Icon Off	Auto
LoopRecording	3 Min.

### Language Setting

1. In the setting mode, press Previous or Next button to select “Language”, then press Enter button to enter.

Language	English
Screen Off	Francais
Icon Off	Deutsch
LoopRecording	<input type="checkbox"/>

2. Press Previous or Next button to select a suitable language.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.

### Screen Off Setting

1. In the setting mode, press Previous or Next button to select “Screen Off”, then press Enter button to enter.

Language	1 Min.
Screen Off	3 Min.
Icon Off	5 Min.
LoopRecording	<input type="checkbox"/>

2. Press Previous or Next button to select desired duration; Press Enter button to confirm and exit, or press ESC button to discard changes.

### Icon Off Setting

1. In the setting mode, press Previous or Next button to select “Icon Off”, then press Enter button to enter.

Language	Off
Screen Off	On
Icon Off	Auto
LoopRecording	

2. Press Previous or Next button to select icon visibility.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.

### Loop Recording Setting

1. In the setting mode, press Previous or Next button to select “LoopRecording”, then press Enter button to enter.

Language	Off
Screen Off	1 Min.
Icon Off	3 Min.
LoopRecording	<input checked="" type="checkbox"/>

2. Press Previous or Next button to select desired recording length.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.

## Time Stamp Setting

1. In the setting mode, press Previous or Next button to select “Time Stamp”, then press Enter button to enter.

Time Stamp	Off
Date Format	Date Only
Date Input	Date&Time
Time Input	

2. Press Previous or Next button to select desired size.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.

## Date Format Setting

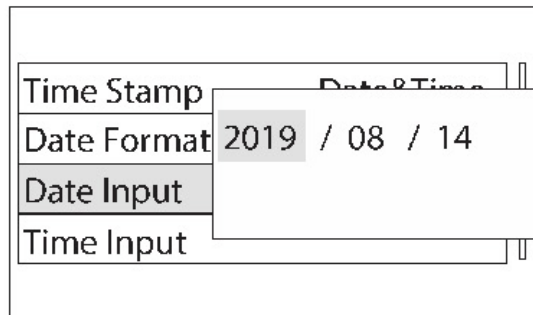
1. In the setting mode, press Previous or Next button to select “Date Format”, then press Enter button to enter.

Time Stamp	YY/MM/DD
Date Format	MM/DD/YY
Date Input	DD/MM/YY
Time Input	

2. Press Previous or Next button to select desired date layout.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.

### Date Input Setting

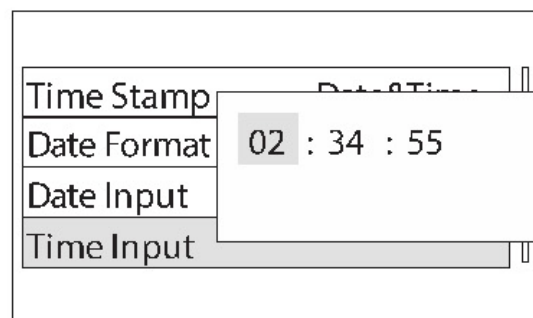
1. In the setting mode, press Previous or Next button to select “Date Input”, then press Enter button to enter.



2. Press Previous or Next button to modify numbers.
3. Press Enter button to confirm and continue adjustments; Press ESC button to discard and exit.

### Time Input Setting

1. In the setting mode, press Previous or Next button to select “Time Input”, then press Enter button to enter.



4. Press Previous or Next button to modify numbers.
5. Press Enter button to confirm and continue adjustments; Press ESC button to discard and exit.

### Format Setting

1. In the setting mode, press Previous or Next button to select “Format”, then press Enter button to enter.

Format	Cancel
TV Output	Execute
FW Upgrade	
FW Version	

2. Press Previous or Next button to select “Execute” or “Cancel”.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.

### TV Output Setting

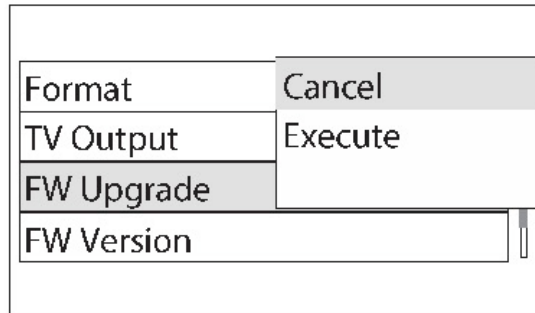
1. In the setting mode, press Previous or Next button to select “TV Output”, then press Enter button to enter.

Format	NTSC
TV Output	PAL
FW Upgrade	
FW Version	

2. Press Previous or Next button to select desired output format.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.

## Firmware Upgrade

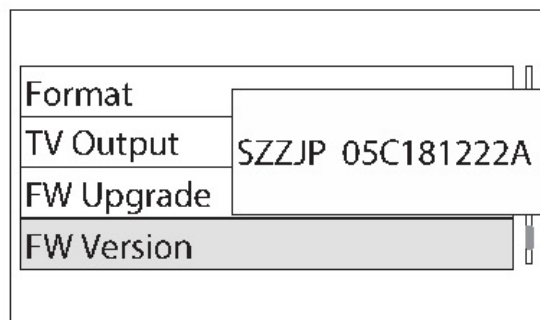
1. In the setting mode, press Previous or Next button to select “FW Upgrade”, then press Enter button to enter.



2. Press Previous or Next button to select “Cancel” or “Execute”.
3. Press Enter button to confirm.

## Version Information

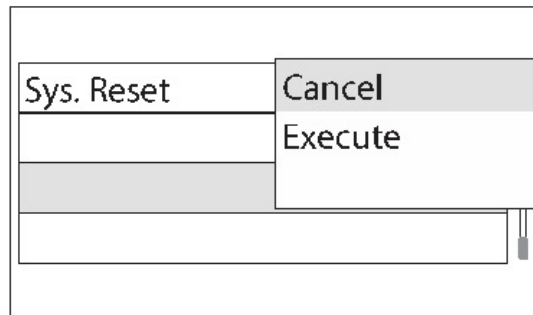
1. In the setting mode, press Previous or Next button to select “FW Version”, then press Enter button to enter.



2. Once done reviewing information, press Enter or ESC button to exit.

### Default Setting

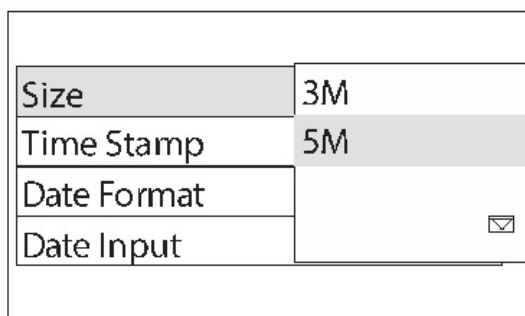
1. In the setting mode, press Previous or Next button to select “Default Setting”, then press Enter button to enter.



2. Press Previous or Next button to select “Cancel” or “Execute”.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.

### Size Setting

1. While in picture mode, enter setting mode. Next press Previous or Next button to select “Size Setting”, then press Enter button to enter.



2. Press Previous or Next button to select desired resolution.
3. Press Enter button to confirm and exit, or press ESC button to discard changes.



## Tips & Troubleshooting

1. Memory Card should be inserted before powering on monitor.
2. For USB connection, mode selection switch must be in playback mode,
3. Unit does not power up, maybe fully discharged. Plug into supplied ac adapter or usb to pc and allow unit to charge.
4. System interface stops responding, hold down power until unit powers off, then restart.
5. Unit doesn't play video, video file may be of wrong format. Convert video file to supported video format, AVI.
6. The On-screen text is unreadable, please check desired language is selected under language settings.
7. Unit not able to be found by PC, or allow file transfer, replace USB cable/Test on another USB port.
8. Unit does not save: make sure memory card is inserted; make sure memory card is not full or corrupted; attempt to format card under format settings.

## Specifications

<b>Technical Specifications</b>			
Screen	Size	5in	7in
	Dimension	107mm(W) x 64mm(H)	154mm(W) x 85mm(H)
	Brightness	400 cd/m <sup>2</sup>	
Video	Input	HD TVI, AHD, CVBS	
	Aspect Ratio	16:09	
	Resolution	1920*1080; 1280*720; 848*480	
	Compression Format	H.264	
	Storage Format	AVI	
Audio	Frequency Range	20Hz-20KHz	
	Compression Format	AAC	
Photo	Format	JPG/JPEG	
	Resolution	5MP; 3MP; 2MP; 1.3M; VGA	
Storage	External SD card	MicroSD card 2-128GB	
	64GB Recording time	24-64 hours	
Output	Phono	Analog Video	
	Mini USB	Digital File Transfer	
	Built-in speaker	1W	
Operating System	PC	Windows & Mac OS	
	Port	USB 2.0	
	Language	Multiple	
Power	Voltage	DC: 5-12V USB DC: 5V	
	Current Consumption	<900mA	<900mA
	Built-in Battery	Li-battery 4.5Ah	Li-battery 7.0Ah
	AC Adapter	DC 12v 2A	
	Working Time	≈ 4-6 hours	
Dimension	PC-MIVR7	139mm x 90mm x 19mm	183mm x 124mm x 20mm
Weight	PC-MIVR7	216g	380g

\* All the specifications are subject to minor change without prior notice.

## WARRANTY INFORMATION



### Consumer Warranty

The devices within this manual are warranted to the original purchaser for a period of one year from the date of original purchase against all defects in materials and workmanship. This limited warranty is void if the unit is abused, modified, installed improperly, or if the housing and/or serial numbers have been removed. There are no express warranties covering this product other than those set forth in this warranty. All express or implied warranties for this product are limited to the above time. Peerless Creations LLC is not liable for damages arising from the use, misuse, or operation of this product. During the warranty period, defective units will be repaired without charge to the purchaser when returned with a dated receipt to the address below. Units returned without a dated receipt will be handled as described in section "Service Out of Warranty".

*Note: Damage caused by incorrect voltage, moisture or battery leakage is not covered under this warranty.*

When returning a unit for service, please follow these instructions:

1. Ship the unit in the original carton or in a suitable sturdy equivalent, fully insured, with return receipt request to:

Peerless Creations Repair Dept.  
1705 US Highway 46  
Suite 3  
Ledgewood, NJ 07852

Please allow 3 weeks turnaround time.

**Important: Peerless Creations will not assume responsibility for loss or damage incurred in shipping. Therefore, please ship your unit insured with return receipt requested. CODs will not be accepted!**

2. Include with your unit the following information, clearly printed:

- Your name and street address (for shipping via UPS, FedEx or DHL), a daytime telephone number and an email address.
- A detailed description of the problem (e.g. "Device does not record").
- A copy of your dated receipt or bill of sale.

3. Be certain your unit is returned with its serial number. For reference, please write your unit's serial numbers in the following spaces: Device S/N:

Units without serial numbers are not covered under warranty. Important: To validate that your unit is within the warranty period, make sure you keep a copy of your dated receipt.

### Service Out of Warranty

Units will be repaired at "out of warranty" service rates when:

- The unit's original warranty has expired.
- A dated receipt is not supplied.
- The unit has been returned without its serial number.
- The unit has been abused, modified, installed improperly, or had its housing removed.