

# User's Manual

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## Pan and Tilt Inspection Camera

**Model No.: iShot® PT200**



**Please read this manual carefully before using this product!**

## **Welcome**

**Thank you for choosing our iShot® PT200 Pan & Tilt Inspection Camera. Please read the User Manual carefully before using this product.**

### **I. Brief Introduction**

#### **1. General**

Shown with included 5.7" TFT LCD Display, integral control unit with High Intensity LED Super-White Light source, Industry standard Composite video signal output allows connection to video recorders to store your inspection results.

#### **2. Application:**

Pipe & Tank Inspection; Boiler Inspection; Internal corrosion, crack inspection of pipes; Chimney inspection; Automotive repairs; Marine & boating repairs; Engine Inspection & Diagnostics, transmissions, differentials; Engine Inspection & Diagnostics, transmissions, differentials Heavy Duty Trucking Industry; Building Inspection.

### **II Main technical parameters**

#### **Image System**

- CCD TYPE: Sony CCD
- Horizontal Resolution: 520TVL
- Focus: Manual
- Optical system: 2.8mm
- Camera: Rotate 360°, Tilt: 180°

#### **Lighting System**

- Lights: 14 High Brightness LEDS

#### **Storage System**

- Video format: MPEG4/MJPEG
- Picture format: MJPEG
- Memory Card: 4G
- Output: USB

### **Display Systems**

- 5.7" Blaview TFT-LCD
- Resolution: 640\*480

### **Power Supply**

- Power: DC12V

**Waterproof Standard: IP67**

## **III Features**

★ **Rotate: 360° Tilt: 180°**



★ **Manual Focus**



Manual focus tool

Adjust the focus manually when apply into the pipe of different diameter.

★ Write Text



★ Pictures can be seen under strong light

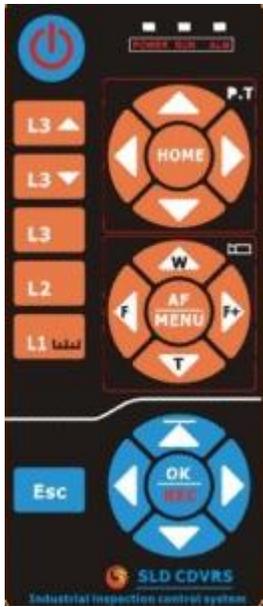


# IV Display controller

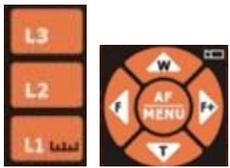


5.7 inch TFT Monitor

## 1. Control Panel



 ON/OFF



The buttons for other products

 The brightness of the LEDS



Control the camera head: Pan & tilt



Control the 5.7" monitor



Main Menu/Back



Choose left;



choose right



Choose the document above



Choose next document



Enter

## 2. Characters keyboard



Caps Lock



The characters can be hidden by pressing the button



Enter "1/ABC" by pressing the buttons for different times



Enter "2/DEF" by pressing the buttons for different times



Enter "3/GHI" by pressing the buttons for different times



Enter "4/JKL" by pressing the buttons for different times



Enter "5/MNO" by pressing the buttons for different times



Enter "6/PQR" by pressing the buttons for different times



Enter "7/STU" by pressing the buttons for different times



Enter "8/VWX" by pressing the buttons for different times



Enter "9/YZ" by pressing the buttons for different times



Enter "0/.,;" by pressing the buttons for different times



Delete one character

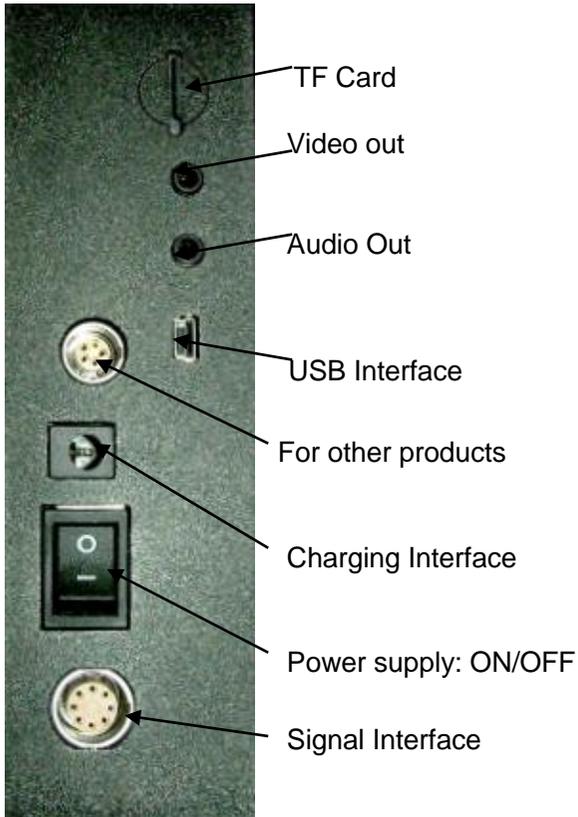


Move the mouse pointer



Battery indicator

### 3. The side of the controller



### Operation of the System

### 1. Power control



Switch of the system



ON/OFF of the screen

### 2. Indicator



POWER (power): Green light

RUN (running): Green light

ALM (alarm): Red light

### 3. Battery



Built in battery

## VI Other Operation and Settings for Monitor



Main Menu of the Screen

## 1. Record Video& Take Photo



Press the button  entering into record video& take picture interface.

System default: photographing

Press  to take pictures directly.

Press  switching to video mode then press  to record video.

Repress  to stop recording.

## 2. Play Video

Press the button  entering into playing video interface. Then press  to check the video list.

Pressing  or  for a second to choose the right video, and then press  to check the video.

Fast Forward: press  button in playing status;

Fast Backward: press  button in playing status;

Stop/Exit: press  /  button.

### 3. Play Picture

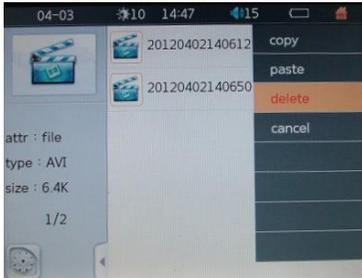
Press the button  entering into playing picture interface. Then press  to check the picture list.

Pressing  or  for a second to choose the right picture, and then press  to check the picture.

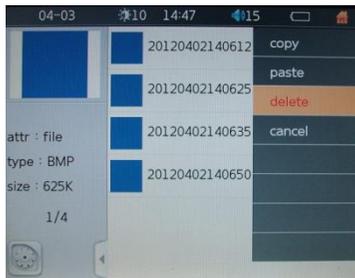
Exit: press 

### 4. Delete Video/Picture

Under video/picture list, pressing  or  for a second to choose the video/picture. Press  to delete then press  to choose “yes”; repress  to confirm.



Video list

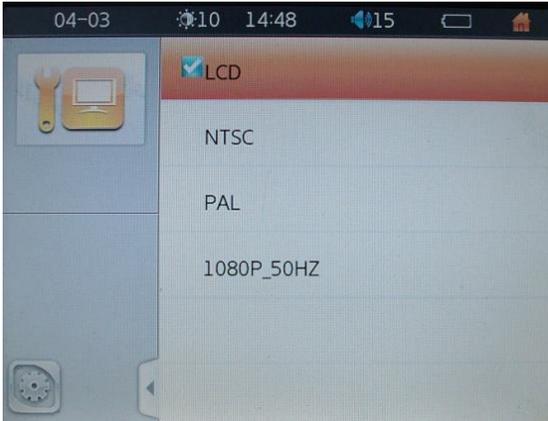


Picture List

## 5. Setting

### a. Output setting

Press  or  choose LCD/PAL/NTSC/1080P.



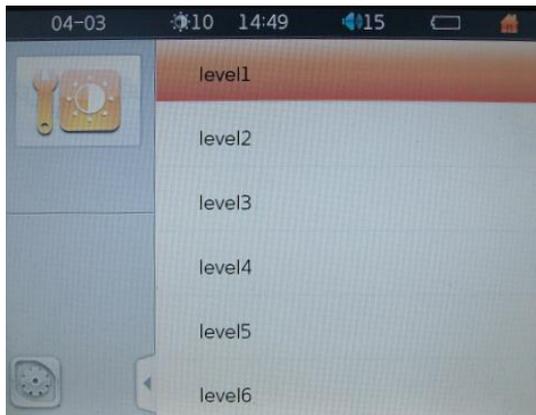
### b. Language setting

Press  to select language



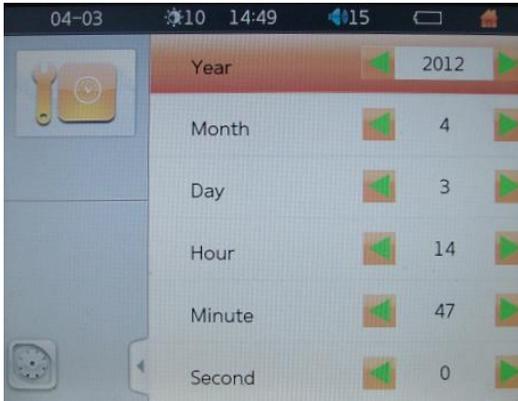
### c. Brightness setting

Press  entering into the brightness setting. Press  or  to choose the brightness, then press  to save; press  exit.



#### d. Time Setting

Press  entering into time setting interface, Press  or  to select year/month/day, Press  or  to adjust the right time, then press  to save; press  exit.



e. System Information

Indicate the space data of the TF Card



g. Default Setup

1. In the setting mode, choose restore default and press  button will restore default; "NO" will be exit.



## VII Flexible data storage



Data can be exchanged between USB interface and SD card; you can rename/edit and transfer to CD.

## VII Care, maintenance and troubleshooting

- Please use damp soft cloth to remove oil and dirt. Always dry the

camera after cleaning, and replace into the packing case.

- Keep all instruments into the packing case whenever not in use.
- Operate the instruments within temperature of -20 to 50°C
- Keep battery active with periodic charging.
- In any faulty situations, check connections and if fault persists, call hotline or check with nearest agents.



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