

User's Manual

Pan and Tilt Chimney Inspection Camera

Model No.: SD-1050I



Please read this manual carefully before using this product!

Welcome

Thank you for choosing our Pan and Tilt Chimney 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:

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

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" Blanview 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

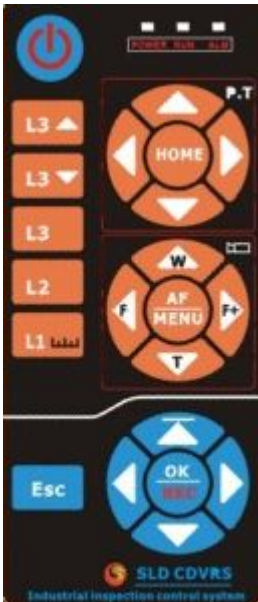


IV. Display controller



5.7 inch TFT Monitor

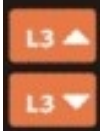
1. Control Panel



 ON/OFF

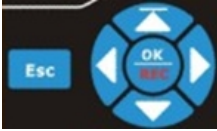


The buttons for other products

 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

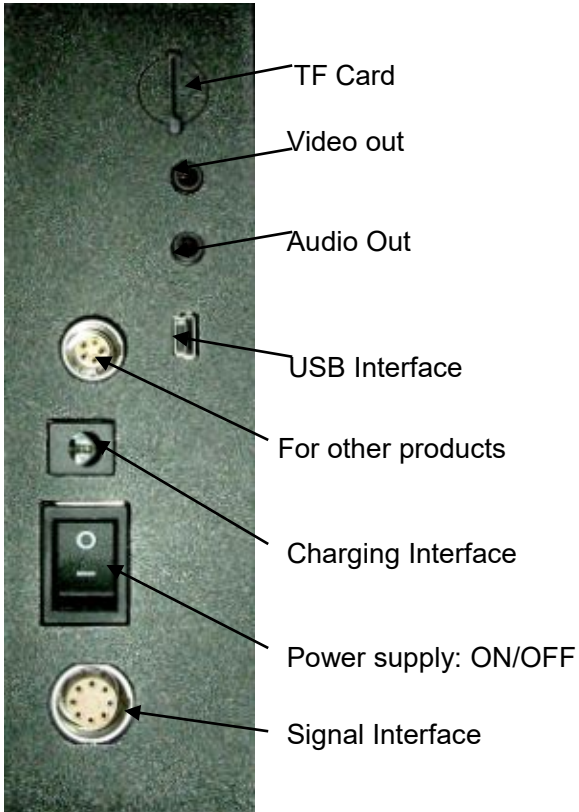


Move the mouse pointer



Battery indicator

3. The side of the controller



V 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



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








to check the picture list.

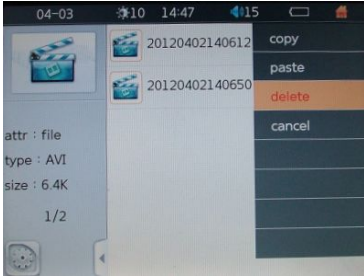
Pressing  or  for a second to choose the right picture, and

then press  to check the picture.

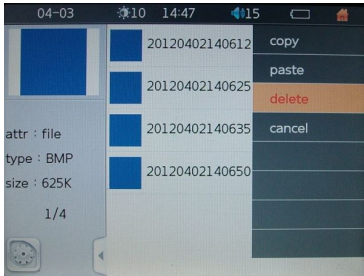
Exit: press 

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

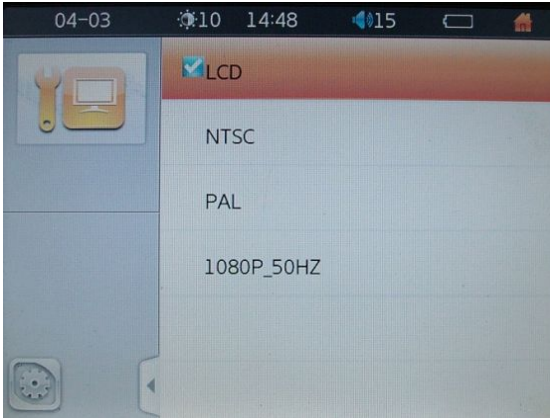


Picture List


5. Setting

a. Output setting

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




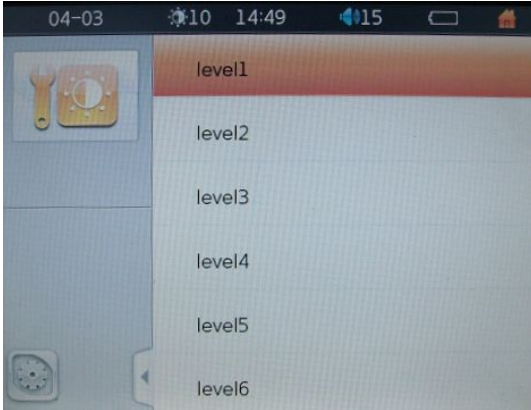
b. Language setting

Press  to select language










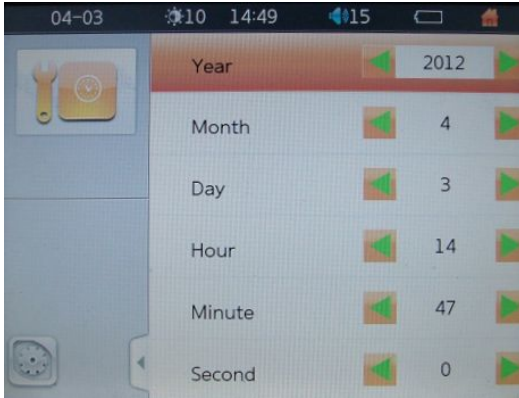
c. Brightness setting

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.

VIII. 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.