

Packing List

| Item | Name | Quantity |
|------|------------------|----------|
| 1 | Camera head | 1pc |
| 2 | Cable reel | 1pc |
| 3 | DVR control unit | 1pc |
| 4 | Camera skid | 1set |
| 5 | 32G USB disk | 1pc |
| 6 | Charge adaptor | 1pc |
| 7 | Waterproof ring | 2pcs |
| 8 | Earphone | 1pc |
| 9 | User manual | 1pc |

AHD PT CAMERA INSPECTION SYSTEMS WITH DVR AND MANUAL FOCUS ASSEMBLY AND OPERATING INSTRUCTION



**Read these instructions completely before operating the device
PLEASE CHARGE BATTERY FIRST BEFORE USE!**

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Attention

- 1) Please read the user manual carefully,
- 2) Please format the USB flash disk or USB hard disk on the DVR control box before first use the product
- 3) Using wireless keyboard, please make sure the battery for keyboard is full. If battery is low, it needs to change a new 7th battery.
- 4) Using original charger adaptor to charge battery or support unit work.

Troubleshooting guide

Q: All parts are connected well ,but there is no image on the screen.

A:



Find 1m test cable, connect camera to control box directly, please check if the camera has image.

Q: I can't typewrite words

- A:**
1. Check the wireless keyboard battery is full or not.
 2. Check the wireless keyboard receiver if it is inserted well .
If not , please restart the system after reinserting
 3. Please press below keys on the keyboard
F8----Display the character
F9--- Hide the character
F10-- Clear all characters

Q:The control box can't read USB flash disk

A: Please use another USB flash disk to test. If the product still can't read this , please contact with us.

Q: The meter counter is not accurate

A: Please check if the counter value is correct or not.

Video clip time:1 MINUTE / 5 MINUTE / 10 MINUTE
 15 MINUTE / 30 MINUTE / 60 MINUTE
 Default value: 30 MINUTE

FRAME RATE:NTSC 30FPS / PAL 25FPS

Video Quality: It has 5 options. Usually we choose Level 3.
 The level is bigger, the video resolution is higher

Compress:H265

Photo Quality: High / Middle / Low
 Default Value : High

Record Mode: Manual / Auto
 Default Value : Manual

Overwrite:OFF/ON
 Default Value : OFF

Specification

| Monitor | | |
|------------------------------|--|--------------------------|
| Screen size | 8 inch LCD IPS screen | |
| Display Ratio | 16:9 | |
| Resolution | 1920x1080 | |
| Menu | Chinese English and others | |
| Sunshade function | Yes | |
| Audio power amplifier | | |
| Power Amplifier | Stereo Class-D Audio Power Amplifier | |
| Power | 3W*1 | |
| HD DVR | | |
| Support playback file format | video | H.264 encode, MP4 format |
| | Audio | audio and video |
| | Picture | JPEG |
| Audio input | Built-in Microphone | |
| Video input | AHD analog high-definition signal(suport | |
| Signal input | CAM | |
| Video system | AHD PAL、AHD NTSC (Support CVBS | |
| Video Input | Stereo aduio output (Internal Audio or | |
| Video Output | Composite video signal output | |
| Power support | | |
| External charge | DC12V (Input voltage AC 100V~240V, Output voltage DC:12.5V, Current 3000mA) | |
| Battery | 11.1V 7000mA/H | |

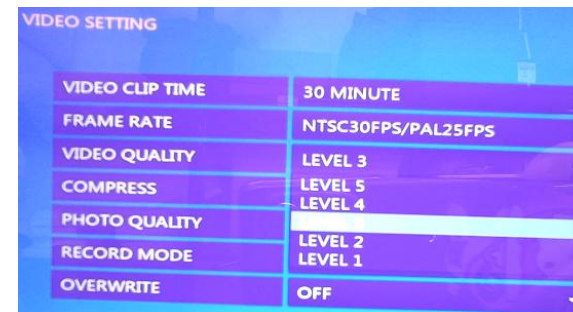
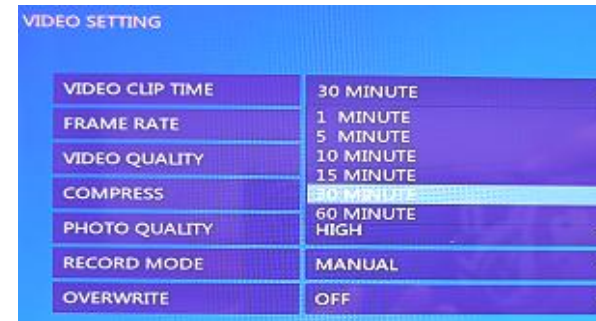
| | |
|--|--|
| Power | 20W (Max) |
| Battery charge time | 8hours |
| Battery work time | 6 hours |
| Pan Tilt camera head with manual focus (512hz transmitter option) | |
| Camera Diameter | Dia.33mm x L225mm |
| View range | +/- 180°, rotation endless (slip ring) |
| Lighting | 4pcs white LEDS |
| Camera Sensor | 1/3 CMOS, 1.3MP 960P |
| Operating temperature | 5°C ~ 50°C |
| Camera housing material | 304# Stainless steel |
| Waterproof | IP68 |
| Cable wheel | |
| Special gold point touch connector to camera | |
| Fiberglass rod push cable Ø7mm | |
| Cable length: <input type="checkbox"/> 60 meters | |
| Other function | |
| Meter counter | Feet and Meter switch. Display on the screen |
| Keyboard | Support wired and wireless keyboard. |



Adjust the LCD screen brightness, Contrast
Default resolution:1280x720_60

Usually we suggest the customers don't change these value

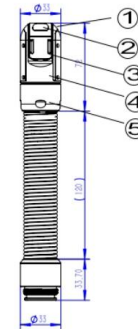
RECORD Setting



Know Your Device

Camera head

1. White LED lights (4 PCS)
2. Lens
3. Tilt rotation axis
4. Aluminum housing
5. Camera rear-end



Camera skirts

It includes below items.

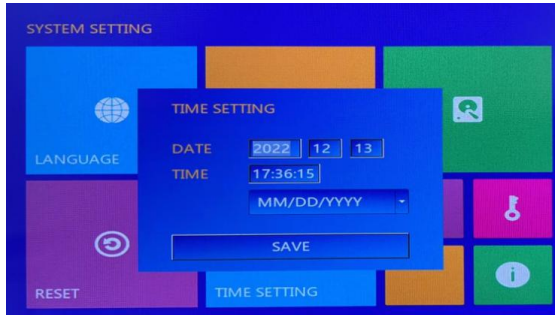
2pcs/set (Diameter 65mm and Diameter 105mm)



105mm

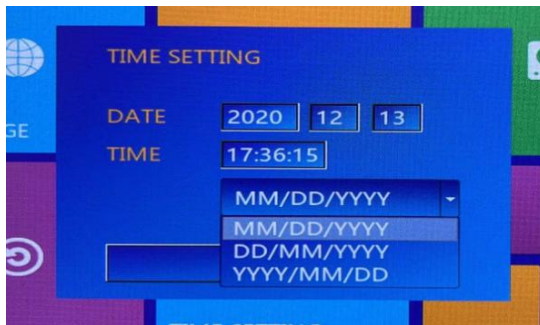


65mm



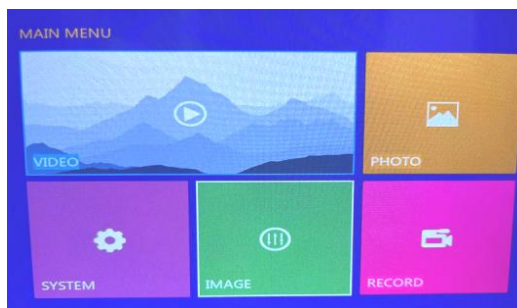
Press UP/Down/Left/Right arrows to set the date and time.

Press "Save" to save the setting



For date format, it has 3 options

IMAGE SETTING



How to install camera skid

Step1:



Step2:



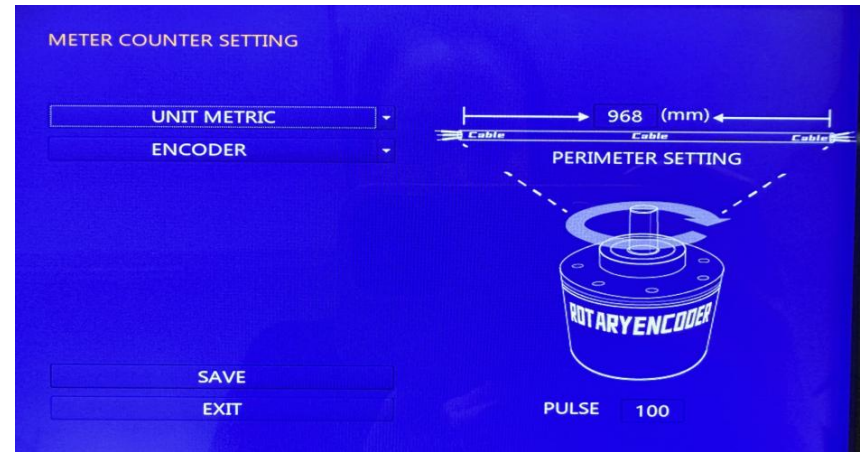
Step3:



Step4:



2) **ENCODER:** Set the value to get the accurate meter counter



The **PREMETER SETTING** value is “968” .

3) **DISK:** Format the USB flash driver.



The default value is “DISK1”.

4) **RESET:** Restore the factory default Settings

5) **TIME SETTING:** Setting the time,date

Press the "UP" and "DOWN" arrows to select files
 Press the "LEFT" and "RIGHT" arrows to turn pages,
 Press "OK/REC " button to play the file, "STOP/DELETE " button to delete the file.

2.PHOTO: Playback the picture file

3.SYSTEM:Setting language,date,time ...

4. IMAGE: Image setting,such as CVBS out, HDMI Resolution,brightness,chroma, contrast, noise reduction

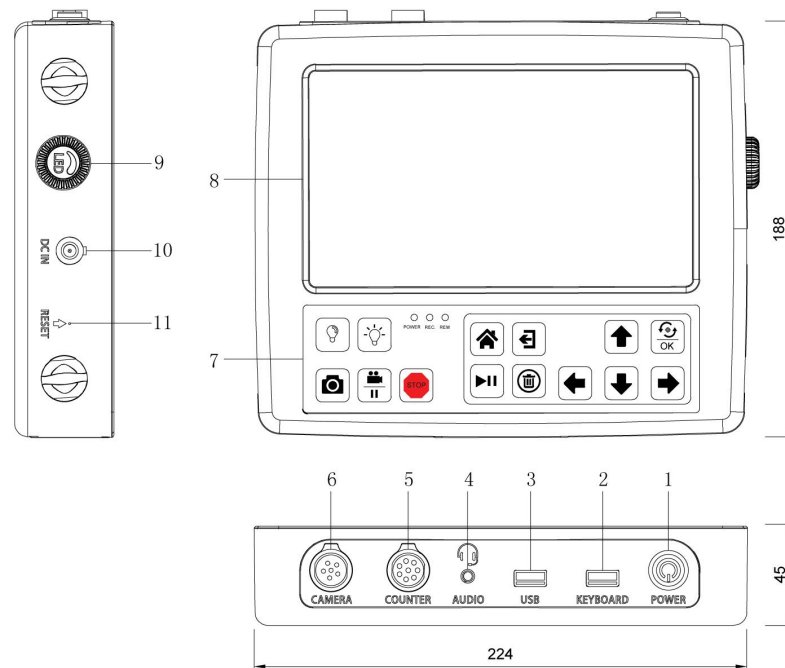
5.RECORD: Video setting, such as video clip time, frame rate, compress, photo quality, record model,overwrite.

System Setting



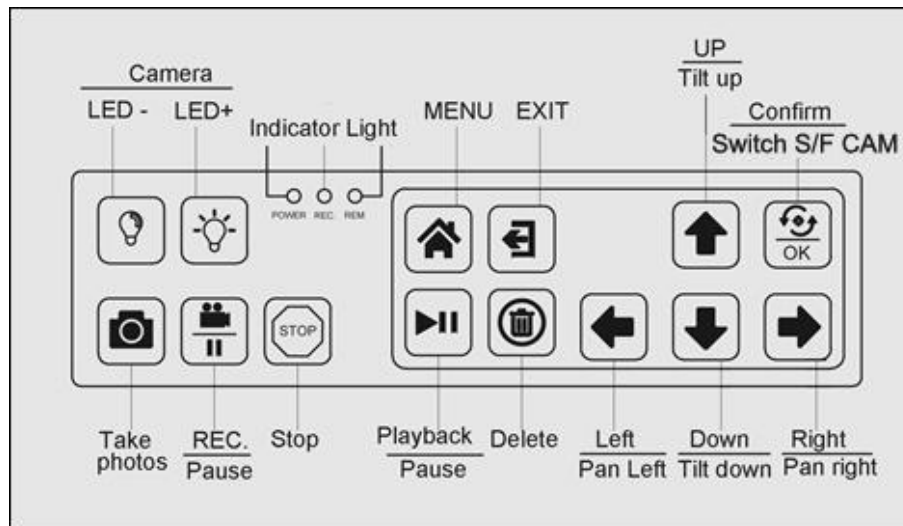
1) **LANGUAGE:** Setting the menu language.
The box has 9 languages.(English,Chinese,French, Espanol German,Polish,Korea,Russian and Italian.

DVR Control Unit



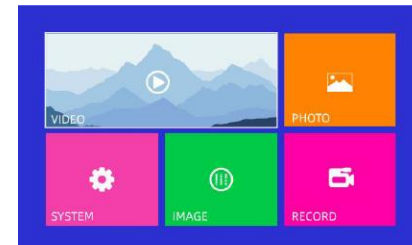
| No | Name | Function | How to use |
|----|----------|----------------------------------|--|
| 1 | POWER | On/Off | Press the button for 3 seconds to turn on /off the control box |
| 2 | KEYBOARD | Connect wireless /wired keyboard | Insert 2.4G wireless keyboard adaptor |
| 3 | USB | Connect USB disk | Insert external USB disk to record and save the video& picture files. Please don't remove the USB flash disk when it is recording. |
| 4 | AUDIO | Earphone/Microphone | Insert the 3.5mm earphone |

| | | | |
|----|---------------|----------------------------------|--|
| 5 | COUNTER | Meter counter | Use 8pin link cable,one port to "COUNTER"port, the other to cable reel "Meter counter port". |
| 6 | CAMERA | Signal input | Connect 6pin link cable to cable reel |
| 7 | CONTROL PANEL | DVR MENU | Details reference picture(1-1) |
| 8 | MONITOR | Display the image | 8inch HD screen ,1280x720 resolution |
| 9 | LED DIMMER | Adjust the camera LED brightness | Adjust 18mm, 23mm,29mm,40mm and 55mm camera LED brightness |
| 10 | DC IN | Charge for the battery | Connecting extra charge adaptor |
| 11 | RESET | Restart the DVR unit | When the system is halted |



DVR menu instructions

Press menu button to enter the main menu




1. Video: Playback the video file



HD DVR recording video & photography function instructions



Operating instruction

1. Insert the USB disk to USB port.
2. **Record the video:** press "OK/REC" button to start, and press "STOP" button to stop recording.
3. **Record the audio:** Insert the external microphone to MIC port. Press down the MIC button. When it is recorded the video, you can record the audio at the same time.
4. **Take pictures:** Press remote control "SNAP" button or control box "P/P" to take picture (No matter whether it is recording or not)
5. Press MENU button to enter the main menu, and choose "VIDEO" to play the video.
6. Press MENU button to enter the main menu, and choose "PICTURE" to scan the pictures.
7. **Rotation camera head:** " ← " / " → "
8. **focusing:** Press "  " Then press " ← " / " → "

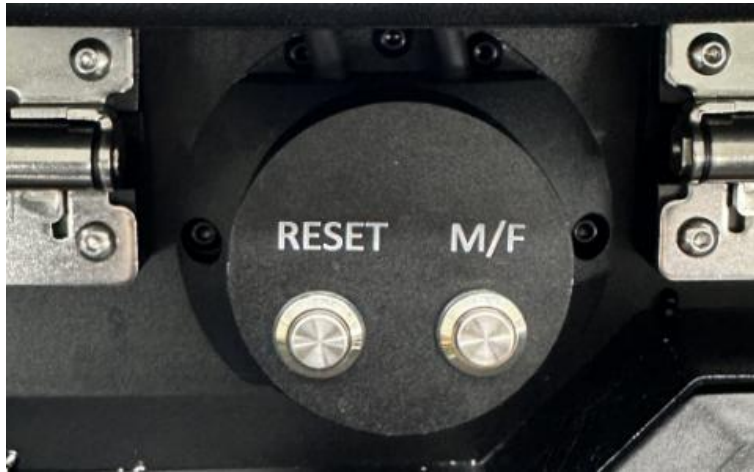


Remote controller



| Button | Function |
|--------|----------------------------------|
| REC | Recording video |
| SNAP | Screenshot / Photography |
| ▲ | Up / Zoom in |
| ▼ | Down / Zoom out |
| ◀ | Left/Backward(Playback Model) |
| ▶ | Right/Forward(Playback Model) |
| OK | Confirm |
| MENU | DVR menu |
| STOP | Stop recording |
| ESC | Exit |
| PLAY | Playback the video |
| DEL | Delete the video or picture file |

Meter counter device part



| No. | Function | Details |
|-----|----------|---|
| 1 | RESET | Press this button ,the counter is zero |
| 2 | M/F | Switch Meters and Feet ; Default value is Meter |

Cable brake



Not enabled



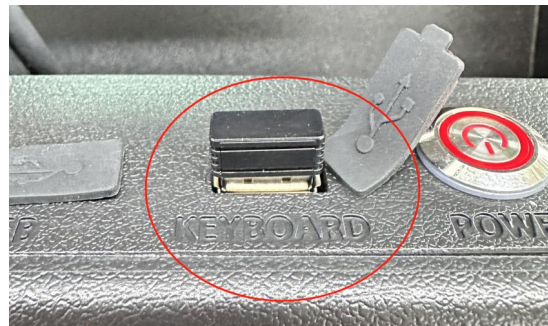
Enabled

Keyboard

1. Flip over to the back of the keyboard, insert the battery, and remove the USB connector



2..Insert the USB connector into the keyboard socket



F8---Display the character

F9--- Hide the character

F10-- Clear all characters