

**AHD CHIMNEY INSPECTION SYSTEMS  
WITH DVR CONTROL BOX  
ASSEMBLY AND OPERATING INSTRUCTION**



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

### Packing List

Item	Name	Quantity
1	Camera head	1pc
2	Cable reel	1pc
3	DVR control unit	1pc
4	Shoulder strap	1pc
5	Waistband	1pc
6	Camera skid	1set
7	32G USB disk	1pc
8	Charge adaptor	1pc
9	User manual	1pc
10	Tool bag	1pc

## How to use the complete system

1. When you receive the package ,please open the box and take out all part.
2. Install the skid to the camera head
3. Wear the waistband .



4. Power on the control box, then you can use the complete system
5. As below picture shown,wind up the cable as the the direction of the arrow



## Specification

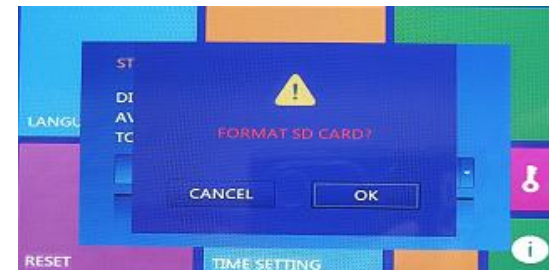
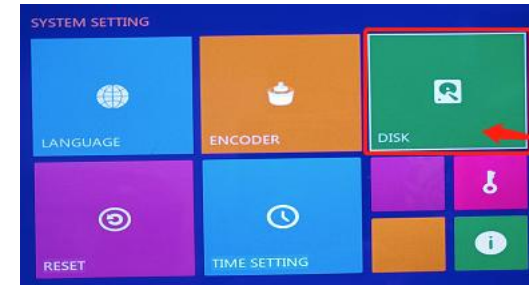
<b>Monitor</b>		
Screen size	8inch LCD IPS screen	
Display Ratio	16:9	
Resolution	1280x720	
Menu	Chinese English and others	
Sunshade function	Yes	
<b>HD DVR</b>		
Support playback file format	video	H.264 encode, AVI format
	Audio	audio and video
	Picture	JPEG
Audio input	External Microphone	
Video input	AHD analog high-definition signal(support)	
Signal input	6pin video connector	
Video system	AHD PAL、AHD NTSC	
Video Output	Composite video signal output	
<b>Power support</b>		
External charge	DC12V (Input voltage AC 100V~240V, Output voltage DC:12.5V, Current 3000mA)	
Battery	12V 7000mA/H	
Complete system power	20W (Max)	
Battery charge time	8hours	
Battery work time	5-6 hours	

<b>Camera head</b>	
Camera Diameter	Dia.45mm x L110mm
View range	View range Horizontal:101° , Pan 360° rotate
Lighting	6pcs high light LED (down view, side view)
Camera Sensor	1/3 CMOS,1.3MP
Operatingtemperature	5° C ~ 50° C
Camerahousing material	304#Stainless steel
Waterproof	IP68
<b>Cable wheel</b>	
Special gold point touch connector to camera	
Soft cable: Dia. 5mm	
Cable length: 20 meters	

### Attention

- 1) Please read the user manual carefully
- 2) Please format the USB flash disk or USB flashdisk on the DVR control box before using the product for the first time
- 3) Using wireless keyboard, please make sure the battery for keyboard is full. If battery is low, you need to change a new AAA battery.
- 4) Using the original charger to charge the battery to support the device to work.

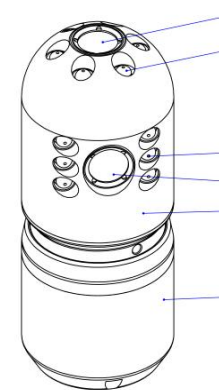
### How to format the USB flash disk



Please using this system format the USB flash disk at the first time.

## Know Your Device

### Camera head

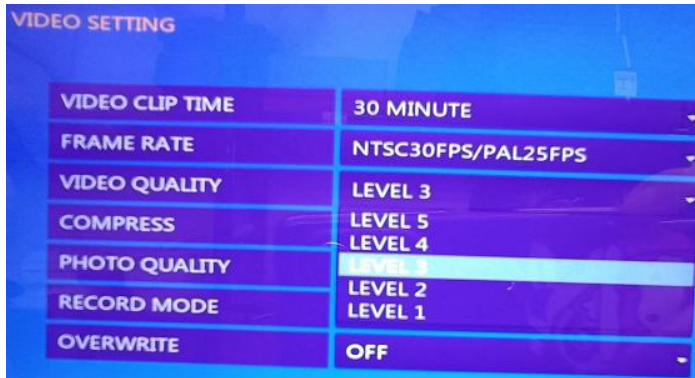


1. White LED lights (6 PCS)
2. Lens
3. Tilt rotation axis
4. Aluminum housing
5. Camera rear-end

### Skid assemble



2



**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

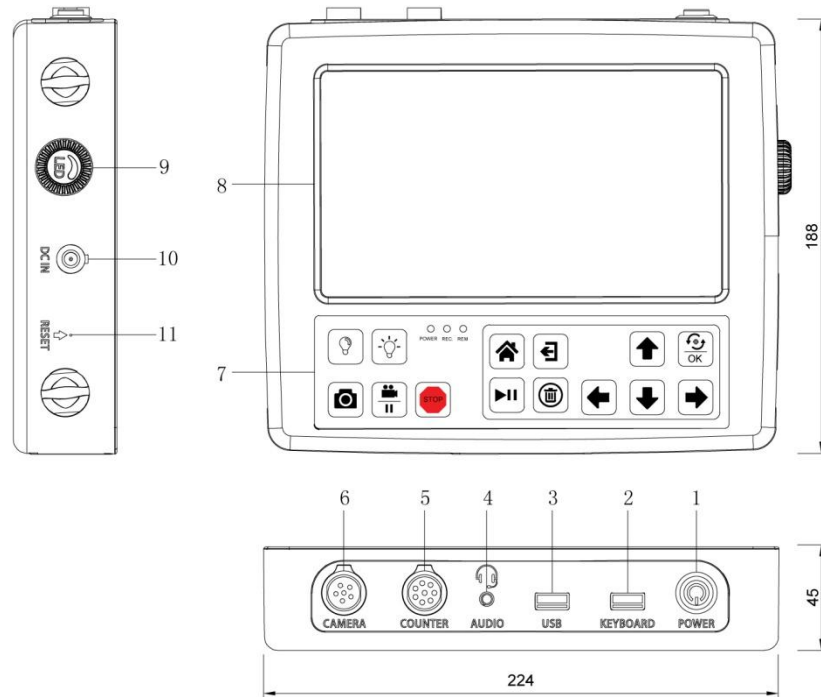
**Compress:** H265

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

**Record Mode:** Manual / Auto  
Default Value : Manual

**Overwrite:** OFF/ON  
Default Value : OFF

## DVR Control Unit



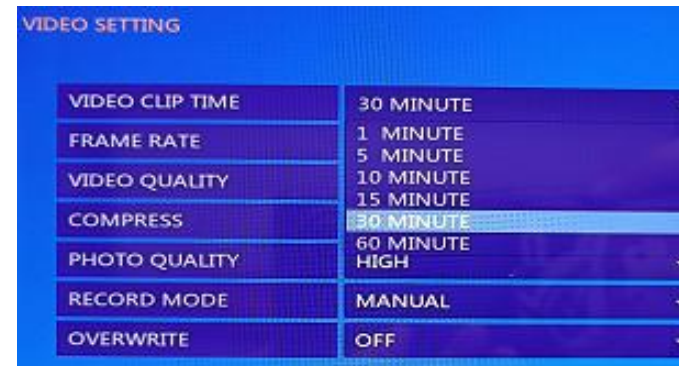
No	Name	Function	How to use
1	POWER	On/Off	Press the button for 3 seconds to turn on /off the control box
2	KEYBOARD	Connect wireless /wired keyboard	Insert 2.4G wireless keyboard adaptor
3	USB	Connect USB disk	Insert external USB disk to record and save the video& picture files. Please don't remove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



Adjust the LCD screen brightness, Contrast  
 Default resolution:1280x720\_60

## RECORD

### Video Setting

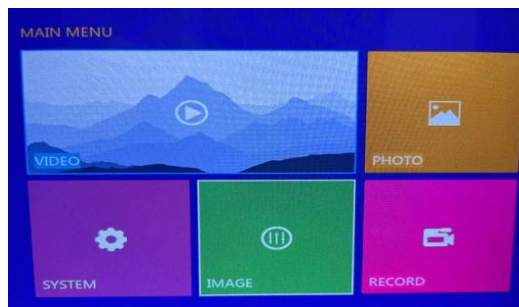


## System setup

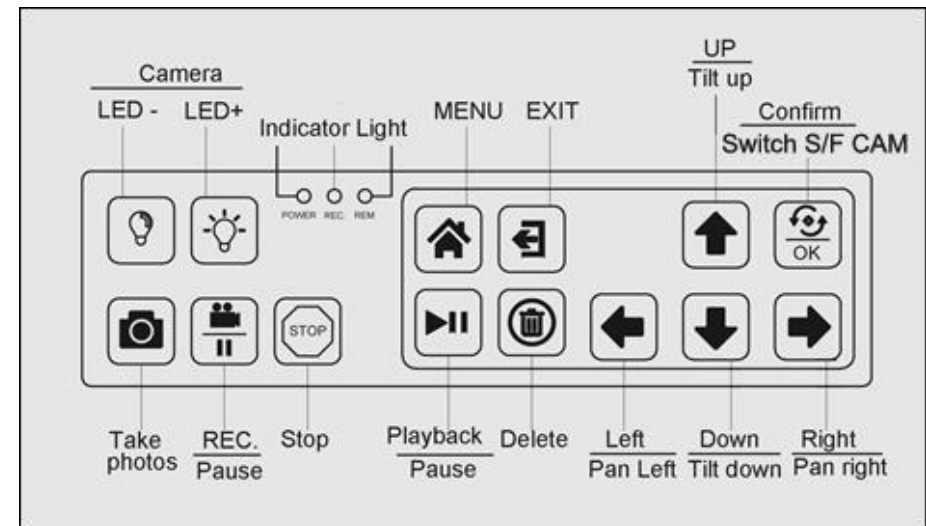


- 1、 LANGUAGE: Setting the menu language.
- 2、 ENCODER: Not available
- 3、 STORAGE: Format
- 4、 RESET: Restore the factory default Settings
- 5、 TIME SETTING: Setting the time,date

## IMAGE SETTING



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
10	RESET	Restart the DVR unit	When the system is halted



## DVR remote controller



Button	Function
REC	Recording video
SNAP	Screenshot / Photography
▲	Up
▼	Down
◀	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

## DVR Menu Instructions

Press menu button to enter the main menu



Main menu

**VIDEO:** Playback the video file

**PHOTO:** Playback the picture file

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

**IMAGE:** Image setting,such as CVBS out, HDMI

Resolution,brightness,chroma, contrast, noise reduction


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

### Operating instruction

1) Press menu button to enter main menu, then press

UP/DOWN/LEFT/RIGHT arrow to choose the submenu

2) Press  to confirm.

3) Press:  to exit the submenu