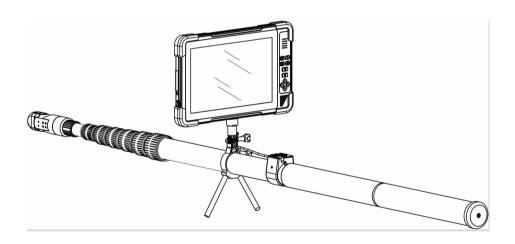


# **4K Life Detector**

# **Operation Manual**



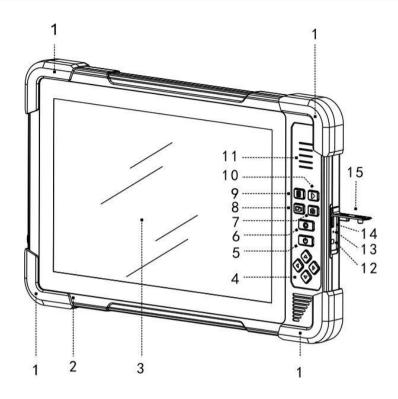
# Menu

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#### **Product Overview**

This 4K life detector can take up to 4K videos and 12 MP photos. Functions of photographing, recording and controlling, like 360 ° camera rotation, can be completed through screen touch, buttons both on monitor & rod. This detector uses a 10.1 HD touch screen, a 5 megapixels 360° intercom camera (optional), a 5 megapixels hose intercom camera(optional), an infrared thermal imaging camera(optional) and a telescopic carbon fiber rod combination. Multiple combinations, simple assembly, convenient carrying, widely applicable to life rescue, disaster rescue, anti-terrorism and explosion-proof, scientific investigation and other fields.

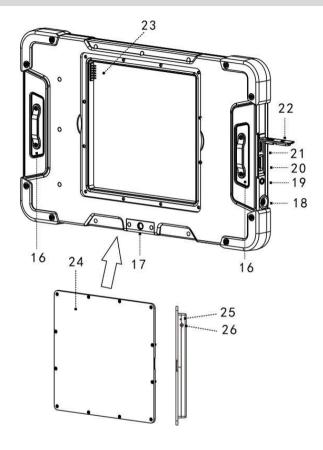
### **4K Tablet Monitor**



- 1.Protection corner
- 2.Microphone
- 3.10 inch screen
- 4.Up Down Left Righ
- 5.ON-OFF
- 6.LED Control
- 7.Photo
- 8.Record

- 9.Menu/Confirm
- 10.Play/Return
- 11.Speaker
- 12.DC12V
- 13.Charge LED
- 14.TYPE-C
- 15.Protective cover 1

### **4K Tablet Monitor**

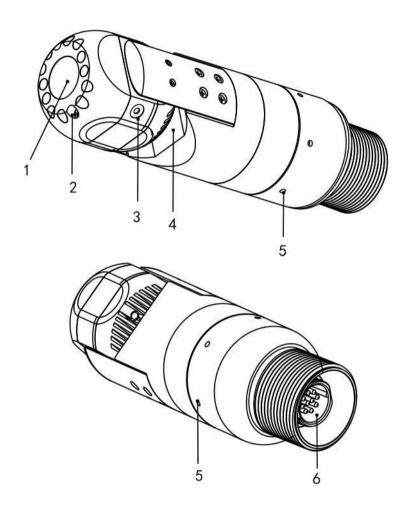


16.Rope buckle17.1/4 inch screw18.Cam Connector19.Headset20.Micro SD Card

21.HDMI Output

22.Protective cover 2
23. Battery Connector
24.Battery box
25.Charging indicator
26. Battery box DC12V

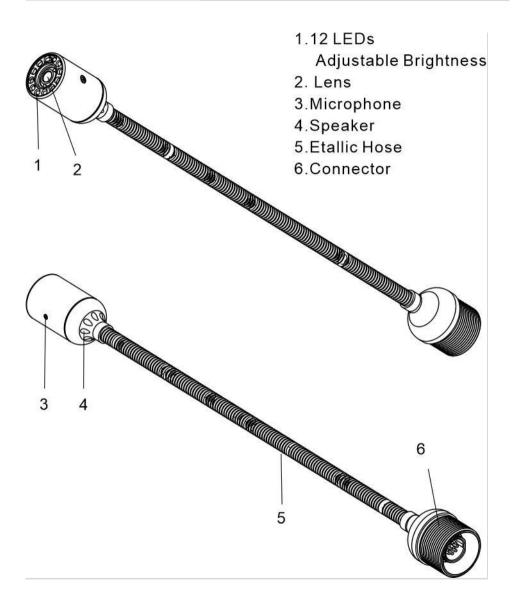
# 360° Audio & Video Camera (Optional)



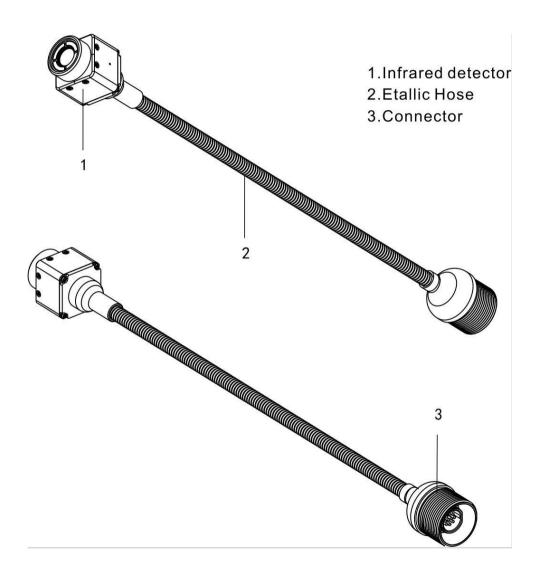
- 1, Lens
- 3, Microphone
- 5, Clean Hole

- 2, 12 LEDs
- 4, Speaker
- 6, Connector

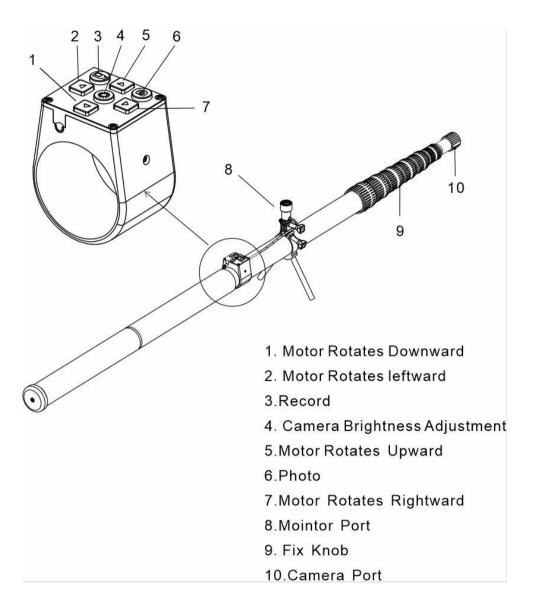
## **Audio and Video Camera (Optional)**



## **Infrared Thermal Imaging Detector (Optional)**

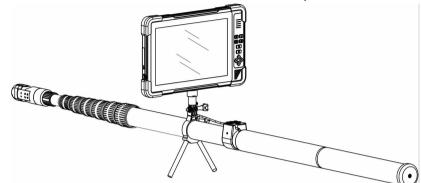


### **Carbon Fiber Rod**



## **Installation & Use**

1. 360 ° Audio and Video Life Detector (Optional)



2. Audio and Video Life Detector (Optional)



3. Infrared Thermal Imaging Life Detector (Optional)



## **Button Operation**

## U ON-OFF

Press briefly to power on. Press it for 3s to power off. If crash, press it for 10s to power off and reset.

## 

Press briefly, flashes once and get a photo.

## • Record

Press briefly to record, and the icon turns blue. The video timer can time. Press again to end.

# Playback/Return

Press it to enter review photos and videos.

Press Up-Down-Left-Right to select.

Press to confirm. Press Play again to exit

When record, press to pause and stop timing; press again to restore.

## ED Control

Press it briefly to select On-7 brightness cycle-OFF.

# E Menu/Confirm

Press it briefly to enter. Press Up-Down-Left-Right to select.

Press to confirm. Press Play to exit.

## **Button Operation**

#### AUP

Press to turn camera upward. Release to stop.

#### Down

Press to turn camera downward. Release to stop.

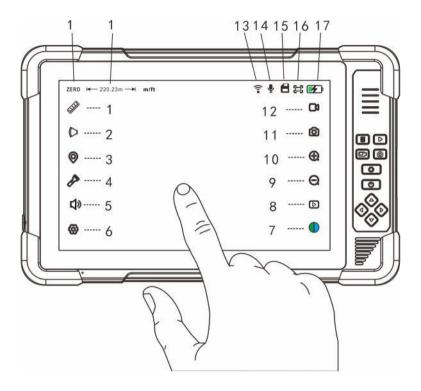
## • 🖣 Left

Press to turn camera leftward. Release to stop. Press & hold for 10s to turn camera leftward and into cruise mode. Press any UP-Down-Left-Right to stop.

# Right

Press to turn camera rightward. Release to stop. Press & hold for 10s to turn camera rightward and into cruise mode. Press any UP-Down-Left-Right to stop.

#### **Touch Screen**



#### 1. Range Measurement (Unavailable on this machine)

#### 2. Lens Zooming (Unavailable on this machine)

#### 3.Mark

• Pop up keyboard to input mark, which will display in the lower left corner. Touch it to revise or delete.

#### **Touch Screen**

### 4. LED Brightness Control

4. LED Brightness Contro

: Move the slider to control cam's LED brightness.

#### 5. Speaker Volume Control

Move the slider to control the speaker volume.

#### 6. System Setup

②: Touch this to enter into system setup.

#### 7. Display Parameter Adjustment.

: Move the sliding block to adjust the parameter.

: Brightness lacktriangle : Contrast

: Colourity : Saturation

#### 8, Play

: Play photo & video. Touch • to lock the important ones in case error deletion. Touch again to unlock it.

#### 9. Zoom out

: Touch this to zoom out the screen.

#### 10. Zoom in

: Touch this to zoom in the screen.

#### 11. Photo

(i): Touch to take photo and screen flashes once.

#### **Touch Screen**

#### 12. Reco

Touch it, the icon turns blue, and the video timer starts; touch it again to end.

#### 13. WiFi

î : WiFi is on; if crossed, WiFi is off.

#### 14. Mic

. Mic. is on. If crossed, Mic. is off.

#### 15. Micro SD card

**:** Card is ok. If crossed, abnormal or no card.

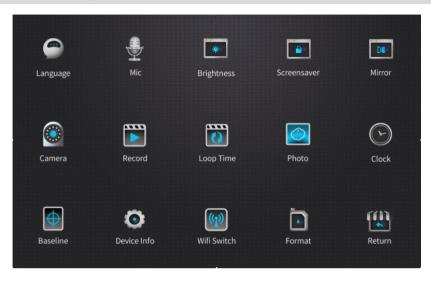
### 16. Icon Switching of Image Display Scale

Press : Image displays 4: 3
Press : Image displays 16: 9

#### 17. Battery power

: Display battery power: the lighting shows it's charging.

## System Setup



**Language** Show the available languages: Chinese,

Traditional Chinese, English, French, German,

Russian, Korean, Japanese.

**Mic.** Touch to turn the microphone on/off.

**Brightness** Touch to set the screen brightness.

**Screensaver** Touch to set the time of screen Saver

Mirror Touch to set: normal display; flip horizontal;

flip vertical; flip horizontal & vertical.

**Camera** Touch to set camera input resolution. According to

the resolution & frame rate of the known AHD camera, you can choose: Auto 2K, 1080P, 720P, CVBS. Monitor will reset after switching the

resolution.

**Record** Touch to set resolution of recording.

## **System Setup**

Loop Time	Touch to set the time of recycle recording: 1s, 2s,				
	3s, 5s 10s, off. If choose 'off', recording will end				
	until the micro SD card is full.				
Photo	Touch to set the size of photo: 1.2 mega pixels, 8				
	mega pixels, 4 mega pixels, 2 mega pixels.				
Clock	Touch to set the system date & time.				
Baseline	Touch to set the types of baseline: off; cross; ruler;				
	roundel.				
<b>Device Info.</b> About, Reset and Password Switch					
About: Includes Wifi name and password,					
memory size of micro SD card, firmware version.					
Reset: It can delete all the settings and restore to					
factory state and restart.					
Password Switch: Switch off, it directly enters					

working state upon startup; switch on, it needs to enter a password to start working. The default startup password is 8888.

WiFi Switch Touch to switch Wifi on or off.

**Format**Touch and check format micro SD card. Format will delete all the data in micro SD card. Be sure to do a good job of data backup.

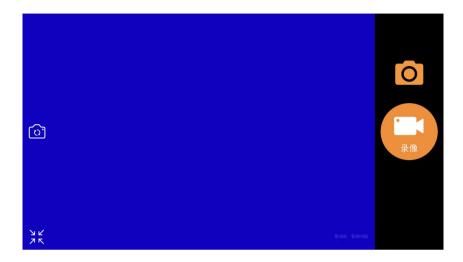
**Return** Touch it to return and exit system setting.

#### RoadCam APP



Before run RoadCam App, turn on the Wifi of the monitor first. Find the SSID name and password in "About". Then add the WiFi network of the monitor to the WiFi configuration of the external device.

## **APP Monitoring Interface**



- Run RoadCam App, touch device to connect. After successful connection, it automatically jump to camera interface. You can take photo, recording, play and share.
- You also can change the WiFi name and password in RoadCam Setting.
- Save the photo and recording files to monitor.
- Enter into Video, play and load video locally.
- Enter into Photo, play and load photo locally.

## Charge

Push away the waterproof protective cover. Connect DC12V adapter with DC port, or connect Type-c port with USB-C adapter (user himself provided). During Charging, the indicator is on. When fully charged, the light turns off. It takes about 4 hours to fully charge.

## **Firmware Upgrade**

Before upgrade, please ensure power is >20% (1 grid). Copy upgrade file (SigmatarUpgradeSD) to microSD card. Power on, it will auto upgrade. It will auto turn off after upgrade. Unplug card to finish upgrade.

#### **Attention**

- 1. Please use device under temperature between −20 °C and 60°C. Excessive temperature will cause abnormal expansion, ignition and even explosion of the battery. Before using it under low temperature, it is recommended to fully charge under normal temperature to extend the life of battery.
- 2. Please place device in a proper position to prevent it from falling and breaking the screen.
- 3. This machine is dustproof and rainproof. Please do not immerse the machine in water.
- 4. If you continue to use the microSD card on this device after upgrade, please delete the upgrade file in the card first.
- 5. The default startup password is 8888.

# **Specification**

## **4K Tablet Monitor**

Display	10.1inch	
Screen Resolution	1280*800 pix	
Touch screen	capacitive touch screen	
Video recording	4K(16:9): 3840x2160@25 /30fps	
	2K(4:3): 2560x1944@25 /30fps	
	2K(16:9): 2560x1440@25 /30fps	
	1080p(16:9): 1920X1080@25	
	/30fps	
Video format	MP4(H.265)	
Photo	12MP、8MP、4MP、2MP (JPG)	
HDMI Output	1080P	
microSD Card	2GB-256GB(64GB default)	
WiFi Protocol	802.11 a/b	
WiFi Operating Freq.	2.4000-2.4835GHz	
WiFi Transmission Power	<16dBm	
Battery Capacity	6200mAh( 45.88Wh)	
Power Supply	DC 12V / 2.5A	
Working Time	Over 8 hours	
Waterproof grade	IP65	
Size	L*W*H 30*19*1.8CM	

# 360° Intercom Camera (optional)

C	CONIV
Sensor	SONY
Resolution	5 megapixels (2592 x 1944)
Camera	360 ° horizontal circular rotation
Rotation	180° vertical rotation
Rotation Rate	12r/min
Light Source	12 LEDs
FOV	128.5°
Sight distance	0.4-5m
MIC	48dB
Speaker	1W

## **Hose Intercom Camera (Optional)**

Sensor	SONY	
Resolution	5 megapixels (2592x 1944)	
Light Source	12 LEDs	
FOV	128.5°	
Sight distance	0.4-5m	
MIC	48dB	
Speaker	1W	

## Infrared thermal imaging camera (Optional)

Detector	uncooled vanadium oxide infrared
Resolution	384×288pixels/256*192
Pixels Spacing	12µm
Response band	8 ~ 14μm
NETD	≤50mK@25°C

## **Carbon Fiber Rod**

Unfolded Length	5.00m
Shrinkage Length	1.40m
Number of Telescoping Joints	5

## **RoadCam App Download**

