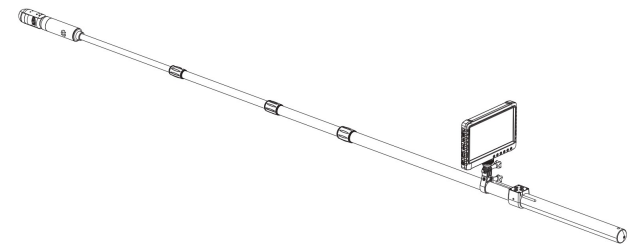TITAN
feeling at home

TTS-S14
360° Rotated Life Detector with Communication
User Manual

HD Life Detector&Search Camera

Thank you for purchasing this device. This handbook can lead you to use our product and the applied program of its adding.

NOTES

1. We try our best to make the content correct and complete, but it can't be certified that there is no mistake and omit of the introduction.
2. Our company is only responsible for maintaining and repairing the problem of itself existing. We aren't responsible for personal data deleted and losses caused by wrong operation, product repair, or other cases. We are also not responsible for any other indirect loss caused by this.
3. Any modification of software, hardware, the introduction of this product will not be notified separately, and our company owns the final explanation rights.
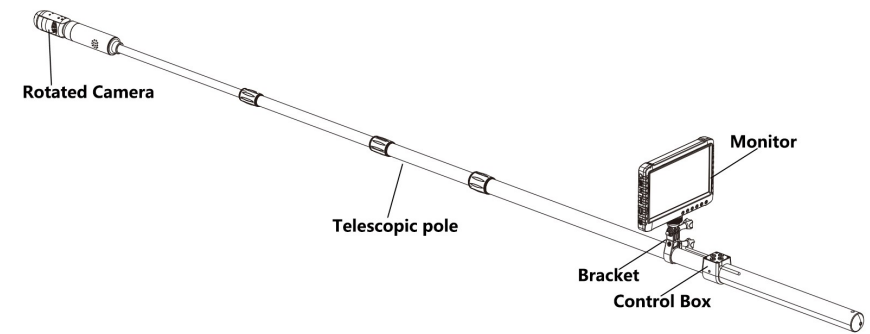
Content

Notes

Dear customers, thank you for choosing our device. We really hope our product can bring happiness to you. Please read the following instructions carefully before using:

- Forbid to use it in a high -temperature environment.
- Please insert or pull out the TF card after the monitor is powered off. If under the working state, the huge current will bring unpredictable damage to the machine.
- Put it in the place where the children are not able to reach to avoid being fallen down or against sharp objects, which will bring serious damage to the machine.
- Please don't dismantle the device without authorization. If any queries, please contact the distributor or our company.
- Please don't change or poke the battery. If put the battery into fire, it will explode and hurt people.
- Please don't use it when driving or doing the work, which needs your high attention.
- We suggest customers copy the data in case any loss caused by a unstable power supply. Otherwise, our company will not be responsible for any damage.
- When inserting TF card, please make sure the inserting direction is correct. Otherwise, it will damage the card slot, which users need to bear it themselves.
- DO NOT use this product to violate others' privacy. Monitoring others' activities without consent is illegal and this product is not designed and manufactured for such purpose;
- DO NOT use this product for any illegal activities. We shall not be responsible for any consequences of illegal acts committed by the user.
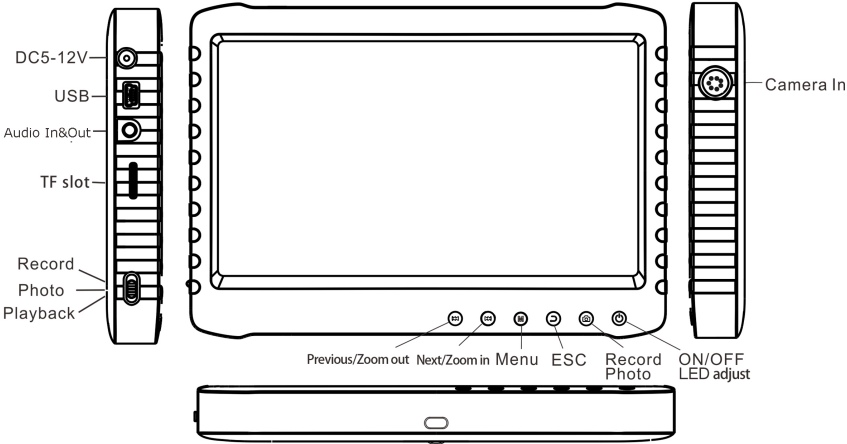
Basic Information

- **1080P Sony Sensor Camera**
- **View angle:** 160° view angle
- **Light source:** 8 LED, brightness is adjustable via monitor
- **Audio/communication range：** about 300 sqm
- **Camera size:** 34.5*51.5mm ,rotated 360 ° via the control box
- **Telescopic Pole :** about 3.5m if unfold, 1.15m if fold, 1.4kg
- **Monitor bracket:** adjust the forward/back/left/right directions
- **Monitor screen :** 7-inch screen 1024*600 pixel with sun visor
- **Monitor function：** Video , Photo, Playback, 4 times Zoom
- **Video record resolution:** 1080P HD-TVI,1920*1080px
- **Battery：** Built-in 7500mAh high capacity Li-battery
- **Working Time**: about 4-6 hours
- **Working Voltage**: 5-24V
- **Storage:** Max 128GB TF card(TF card is not include)
- **Languages:**English,German,French,Italian,Portuguese,Spanish
  Korean,Japanese,Chinese,Russian
- **Supports Power-saving Mode**: automatic shutdown, automatic off-screen
- **Automatic upgrade**: Supports system automatic upgrade
- **Aluminum Alloy case :** Fully preservation

Structure of Life Detector &Search Camera

Rotated Camera

Monitor

Telescopic pole

Bracket

Control Box

Buttons & Interface of Monitor

DC5-12V

USB

Audio In&Out

TF slot

Record
Photo
Playback

Camera In

Previous/Zoom out Next/Zoom in Menu ESC Record ON/OFF
Photo LED adjust

Tips for symbols:

Photo   Video   Circular   A TF card   LED   Battery
   Recorder   in the slot

Loading & Unloading of Sunshade

Loading & Unloading Methods of Sunshade Cover

The bottom of sunshade cover is provided with 2 buckle pins. Please aim them at the button holes on monitor and push gently, it's loaded in place.
If need to unload it, just gently push it to the opposite direction.
Open the sunshade cover: just push up the button in the middle of cover, it pop open.
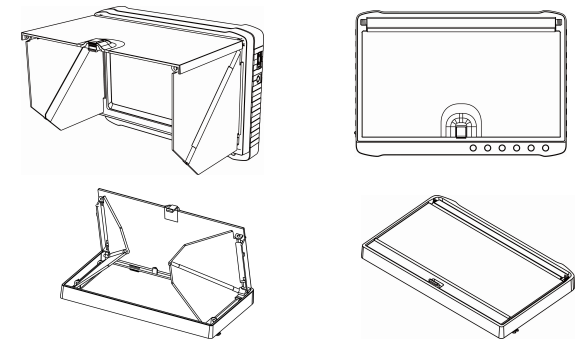
Monitor Installation

Aim the notch on the monitor bottom at the inserted bolt on the pole, fasten bolt with chain. Adjust the direction and the angle of the handle by screwing the bolt.

Catch the 4 pin connector to plug it into the monitor slot, then fasten the nut. (When pulling it out, just loosen the nut and pull it out.)

Insert the notch on the monitor at the bolt

Notch

Bolt

Fasten bolt with chain

Bolt+Chain

Insert the connector to monitor

Monitor

Connector

Fasten the nut

Nut
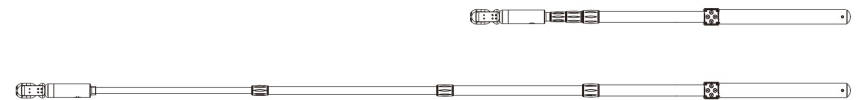
Stretch & Retract Telescopic Pole

Stretch the pole, anti-clockwise loosen the collars one by one to stretch the pole.
Then clockwise fasten the loose collars.
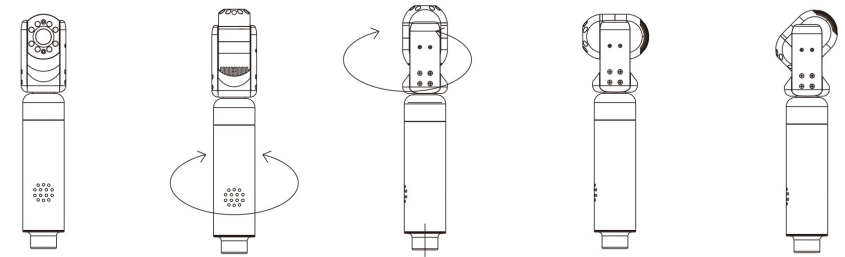Retract the pole, anti-clockwise loosen the loose collars one by one.
Clockwise fasten the loose collars.
pole consists of 4 sections.

Camera Rotated Operation

After the power is turned on, please press the control box buttons on the telescopic rod to operate the 360-degree rotation of the camera through up, down, left and right.

Earphone and Communication

Noise-reducing design to provide great listening quality without disruptions.
Microphone with integrated noise reducer for clear communication with victims.

Microphone

Earphone

Loudspeaker
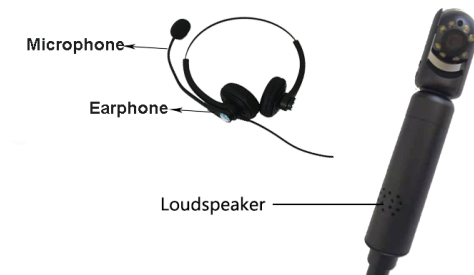
About Charge

1. Notice before operation
    Battery capacity symbols:

Full   Half   Little   Running Out   In charging
                          Please charge

    Tips: The possible reason for being unable to power on monitor is battery running out. Please operate it after full charging by AC adapter or PC.

2. Charge Time:
    Charge 4~6 hours for fully charged. Unplug the charger until the battery status is full.

    Notice:
    A. This charger is for this machine use only. Do not leave the charger in humid place. Unplug the charger and keep it well after charging. Do not repair, break down or remake the charger.
    B. For better performance, please charge the brand new machine for more than 6 but less than 10 hours for the first time. New battery will reach best performance after a few times full charge and discharge.
    C. If no need to use in a long time, it's recommended to charge the monitor every 2~3 months and then keep it after switch off.

Basic Operation

1. Power On/Off:

Press "⦿" to power on, monitor is on working state; long time press "⦿" again to power it off.

2. Working mode switch (switcher located in the left side)**:**

When it switches to "🎥", monitor is in state of record；

When it switches to "📷", monitor is in the state of take photo；

When it switches to "▶", monitor is in the state of playback.

3. External Storage card

Only after storage card being format, this monitor can record, photo. Screen will show symbol of TF card "▣" & its left capacity.

4. Working as a U-disk

Connect monitor to computer and power it on, it will work as a U-disk. Open the removable disk in the computer, you'll find the videos and photos in " RECORD" and " PHOTO" files under "DICM"-"100DSCIM" directory.

Turn On/Off LED lights/Adjust Brightness

Turn On/Off LED lights /Adjust Brightness:

Shortly press button" ⊙ ", LED lights on and screen icon" ☀ " appears. Each time to press button" ◎ ", the icons are displayed in order of "☀ ☀ ☀ ☀ ☀ ☀ ".Press button " ◎ " again, LED lights off and screen icon" ☀ " disappears.

Record & Zoom

1. **Record:** Under "📹" mode, press "📷", monitor starts to record. Press "📷" to end, it will save automatically and exit. If not press "📷", the system will automatically save video in segments until storage card is full. If the "Overwrite" is on and not press the button "📷" to end the recording, monitor will cycle record and automatic save the videos by segment and save the latest video.
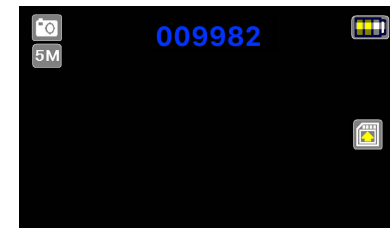

Under "📹" mode, Press"⏩"Zoom the image，Choose 1.0x, 2.0x, 3.0x, 4.0x,Press "⏪"to shrink.

Photo

2. Photo: Under "📷" mode, press "📷" once, screen flashes once, and get one picture.

Play Video/Photo

When working mode selected to "▶", it's in the mode of playing video & photo. Press "⏪"/"⏩"
to select "Photo" or "Video". When under the "▶" mode, press "⏪"/"⏩"to select the file, Press
"⏪" to view previous one; press "⏩" to view next one. The photo is in".JPG" format.

The video is in ".AVI" format, when selected the".AVI" video file, press "⬤"to play video, and
press "⬅" to exit.

Delete Video/Photo

Delete Photo &Video：Under "▶" working mode, Press "Ⓜ" to enter the menu of delete photo & video. Press "⤺" to exit.

```
            MENU
┌──────────────────────────┐
│ Delete                   │
│ Thumbnail                │
│                          │
│                          │
└──────────────────────────┘
```
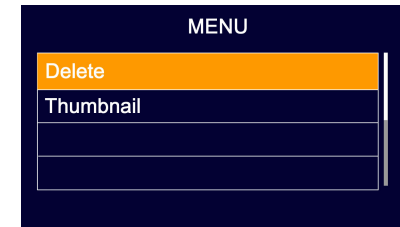
Press "📷" to select the Photo or Video file you want to delete.
Press "⏪"/"⏩" to select "Thumbnail", press "📷" to check the thumbnail photo.

```
            MENU
┌──────────────────────────┐
│ Delete                   │
│ Thumbnail                │
│                          │
│                          │
└──────────────────────────┘
```

System Settings

Press "Ⓜ" to enter system menu when under the "🎥" or "📷" mode .
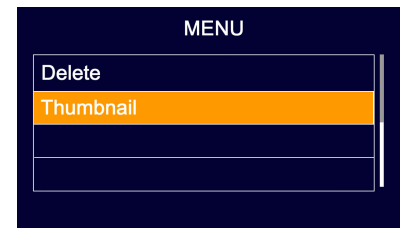
MENU

Language	English
Auto Off	Off
LoopRecording	3 Min.
Time Stamp	Date&Time

1. **Language:** Press " ⏮ "/" ⏭ "to select "Language", and press " 📷 " to enter. Press " ⏮ "/" ⏭ "to choose your language. And press " 📷 " to confirm and exit.

MENU

Language	Français
Auto Off	Deutsch
LoopRecording	Italiano
Time Stamp	

System Settings

2. **Auto Power Off:** Press "⏪"/"⏩" to select " Auto Power Off", and press "📷" to enter. Press "⏪"/"⏩"to select auto power off time, and press "📷" to confirm & exit.

MENU	
Language	1 Min.
Auto Off	3 Min.
LoopRecording	5 Min.
Time Stamp	▾

3. **LoopRecording:** Press "⏪"/"⏩" to select "LoopRecording", and press "📷" to enter. Press"⏪"/"⏩"to select the loop recording time option, press "📷" to confirm & exit.

MENU	
Language	Off
Auto Off	1 Min.
LoopRecording	3 Min.
Time Stamp	▾

System Settings

4. **Time Stamp:** Press " ⏪ "/" ⏩ " to select "Time Stamp", and press " ⏺ " to enter. Press " ⏪ " /" ⏩ "to select the time stamp option, press " ⏺ " to confirm & exit.

MENU	
Language	Off
Auto Off	Date Only
LoopRecording	Date&Time
Time Stamp	

5. **Date Format:** Press " ⏪ "/" ⏩ " to select "Date Format", and press " ⏺ " to enter. Press " ⏪ " /" ⏩ "to select the date format option. Press " ⏺ " to confirm & exit.

MENU	
Date Format	YY/MM/DD
Date Input	MM/DD/YY
Time Input	DD/MM/YY
Format	

6. **Date Input:** Press "⏮"/"⏭" to select "Date Input", and press "📷" to enter. Press "⏮"/"⏭" to adjust date, press "📷" to switch "year / month / day". Press"📷" to confirm & exit.

MENU

Date Format	YY/MM/DD
Date Input	2017 / 01 / 01
Time Input	
Format	

7. **Time Input:** Press "⏮"/"⏭" to select "Time Input", and press "📷" to enter. Press "⏮"/"⏭" to adjust time, press "📷" to switch "hours/minutes/seconds". Press"📷" to confirm & exit.

MENU

Date Format	YY/MM/DD
Date Input	01 : 20 : 48
Time Input	
Format	

System Settings

8. **Format**：Press "⏮"/"⏭" to select "Format", and press "📷" to enter. Press "⏮"/"⏭" to choose "Execute" or "Cancel". Press "📷" to confirm & exit.

MENU	
Date Format	Cancel
Date Input	Execute
Time Input	
Format	

9. **TV Output**：Press "⏮"/"⏭" to choose "TV Output", and press "📷" to enter. Press"⏮"/"⏭" to choose "PAL/NTSC", Press "📷" to confirm & exit.
(Notes: Before connecting to AV, make sure that the input and output video formats are consistent)

MENU	
TV Output	NTSC
FW Upgrade	PAL
FW Version	

System Settings

10. **FW Upgrade**：After inserting the TF card, press "⏪"/"⏩" to select "FW Upgrade", and press "📷" to enter. Press "⏪"/"⏩" to select "Execute" Press "📷" to confirm starting upgrade, DVR automatic shut-down once finish upgrading.

MENU

TV Output	Cancel
FW Upgrade	Execute
FW Version	
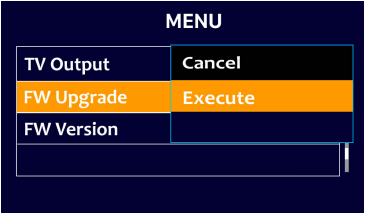
11. **FW Version:** Press"⏪"/"⏩"to select "FW Version"，and press "📷" to view version information. Press ⏏ to exit.

MENU

TV Output	PAL
FW Upgrade	SZZJP V10 170717
FW Version	
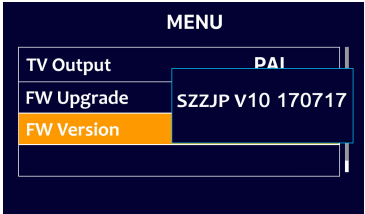
Trouble Shooting

Trouble Shooting:

1   It can't power on: Maybe no power, please recharge the monitor;

2   It cannot play：Maybe the format of video file is not supported by this monitor, please convert it into the supported format.

3   No Signal: Maybe Connector insert loose;Camera video format is not match.

4   It cannot record: Maybe the working mode is wrong,or TF card is not formatted.

5   The text is in messy code: Make sure the correct language is selected.

6   It can't upload / download files or can't find the disk in PC: Replace USB cable/USB port.

7   It cannot save file：TF card is not in monitor, please insert TF card; or TF card memory is full, please delete some files to release memory; or there is damaged area in memory, please format it.

Specification

Rotated Camera	Image Sensor	1080P SONY Image Sensor
	Light source	8 pcs LED lamps
	Sensitivity	0.0001Lux/F1.2
	Lens & View angle	3.6mm F1.2 (H)160 °
	Focal length	20-100cm/7.8inch-39.4inch
	Camera rotate	360 ° rotate by control box,up,down,left,right
	Camera head size	34.5*51.5mm
Camera Features	Motor Speed	10r/m
	Audio monitor Communication range	300 sqm
Telescopic Pole	Length&Weight	about 3.5m if unfold, 1.15m if fold,1.4kg
	Sections	4 sections

Specification

7 inch Monitor	Size of the screen	7inch LCD Screen
	Resolution	1024 X 600 Pixel
	Brightness	500 cd/m²
	Video input	1080P HD-TVI
	Response	<0.1s
	Power output	12V 300MA
	Video LED control	high-light, low-off
	Effective Pixels（16：9）	1920* 1080 PX
	Video Compression	H.264
	Video Storage	AVI
	Operation System	Windows & Mac OS
	Port	USB 2.0/Audio in
	Language	Multiple
	Voltage	DC :7-24V USB DC:5V
	AC Adapter	DC5-12V 2A
	Built-in Battery	Li-battery 7500mAh
	External SD card	TF card Max128GB (Optional)
	Sunshade	Removable One-press open sunshade
	Dimension	177mm x120mm x 20mm 177mm x120mm x 32mm(with Sunshade Cover)
	Weight	0.39KG/0.5KG（with Sunshade Cover）
Package	Dimension&Weight	124×26×12cm ; 8.0kg

Package Contents

The following items are all in the box. Please check:

7inch Monitor*1
7inch Sunshade *1
360 ° rotated Camera with pole*1
AC adapter *1
USB cable *1
Earphone *1
User manual *1
Plastic case *1