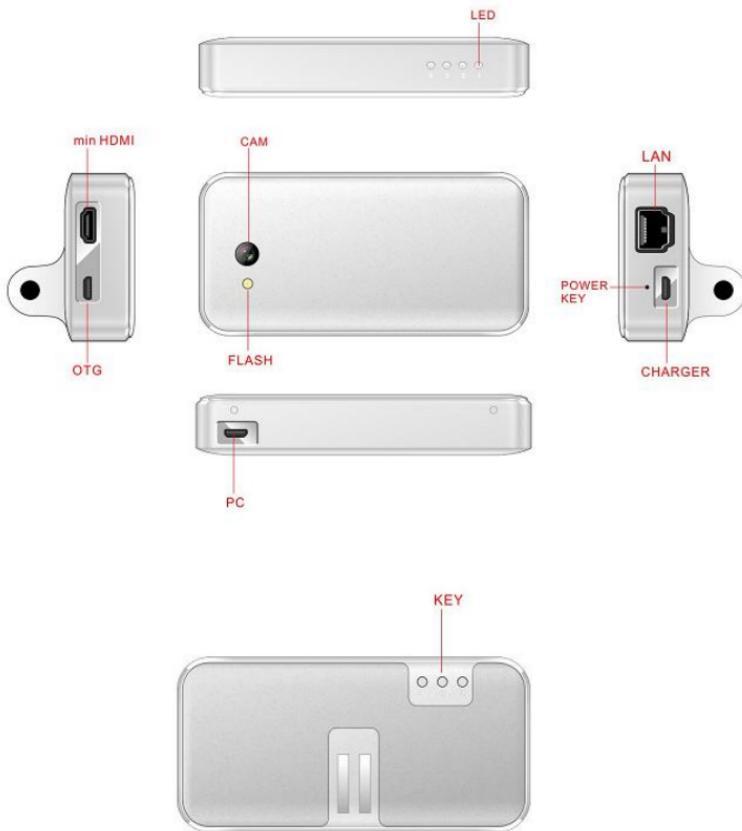


Retail Eye-Z2

Retail AI Camera Z2

Product Manual

## Product I/O Description:

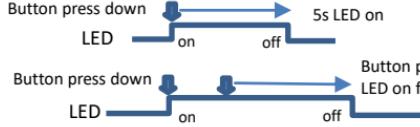


## Quick guide:

### I/O Description:

1. LAN port: Insert LAN cable to the AI-camera connect network. The AI-camera supports two ways to connect network: LAN and Wi-Fi. Choose one based on your current network environment. If both LAN and Wi-Fi exist at the same time, Wi-Fi is automatically disconnected after inserting the LAN cable.
2. CHARGER port: Micro 5pin port. The AI-camera is turned on automatically when insert the charger cable to port in 10 seconds. If the battery is not fully charged when the AI-camera is connected a charger, power supply to battery and AI-camera. If the battery is fully charged, the charger only supplies to AI-camera.
3. mini HDMI port: To show images and audio on a HDMI device, connect the AI-camera to the device with HDMI cable via mini HDMI port.
4. OTG port: Micro 5pin. To use a mouse device, connect the AI-camera to the mouse with USB cable via OTG port.
5. PC port: To copy data from the AI-camera to PC, connect to the PC with USB cable via PC port.
6. SDWN KEY: When the charger un-plugged in, press the SDWN key inside with a little steel needle, the battery can be disconnected then the AI-camera will shut down. When the charger plugged in, press the SDWN key inside with a little steel needle, the AI-camera will not shut down.

## Button Function:

(A)Power LED Button	<p>Power LED off → LED on, after 5s LED off</p> <p>Power LED on → LED on, after 5s LED off</p>  <p>Button press down LED on off 5s LED on</p> <p>Button press down LED on off LED on for another 5s</p>
(B)VolumeUp Button	→App can receive VolumeUp event
(C)VolumeDown Button	→App can receive VolumeDown event

## LED Description:

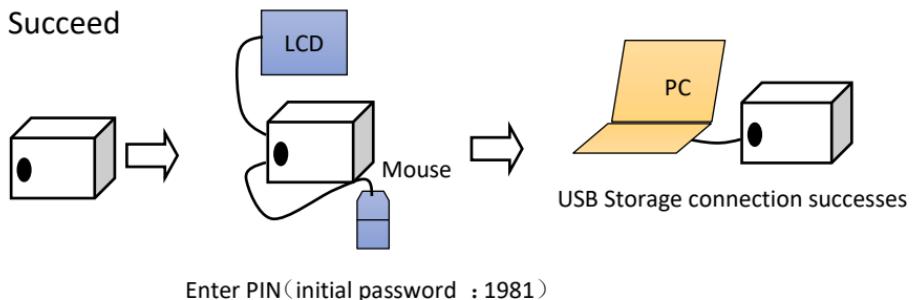
LED No.	LED status	Inter status	Power/ App	Light up
(1) Power	Light on	Power on	Power status	Press down Power LED Button, The LED turn on for 5 seconds. After 5 seconds, the LED turn off.
	Light off	1) Power off 2) Power on (after press button for 5s)		
(2) App 1	Light on	App control on	App status	You can control it at any time by App.
	Light off	App control off		Add API to control LED by App.
(3) App 2	Light on	App control on		
	Light off	App control off		
(4) App 3	Light on	App control on		
	Light off	App control off		

## PC Function Description:

The AI-camera has an access control function of data. Before connecting the AI-camera to PC, connect the AI-camera to HDMI device and mouse, then enter PIN code. The valid period is 1 hour after entering PIN code. If PIN code expired, please re-enter PIN code.

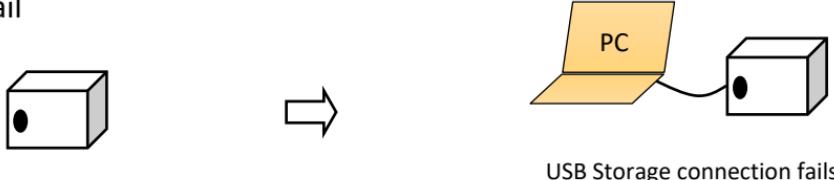
The schematic diagram is as follows:

Succeed



Enter PIN(initial.password :1981)

Fail



If you want to connect the AI-camera as USB Storage to PC, then enter PIN (initial password: 1981) .

## Working Mode : Continuous Shooting

Item	Resolution	Frame rate	Running time	Number of photos
Photo	13Mpix	1fps	2h	7200pcs
Photo	13Mpix	0.1fps	16h	5760pcs
Video	2Mpix	10fps	30min	18000pcs
Video	2Mpix	1fps	16h	57600pcs

## Watch Dog Timer Function:

- Automatic execution conditions:
  - System freeze
  - App freeze
  - Camera Module freeze
- Manual execution condition:
  - App restart sequence:
    - [1] App root execute (reboot)
    - [2] System reboot
    - [3] App freeze
    - [4] Watch Dog Timer Hard Reset
  - Execute content:
    - Hard Reset
    - Power off → power on
  - Execute objects:
    - MTK6737T
    - Camera Module
    - All of the external ICs
    - (LAN/ USB Hub, etc)

If any part of the AI-camera module freezes, Watch Dog Timer cuts off the power of all objects on the AI-camera, and immediately power on all objects of the AI-camera: power off→power on. Because the software restart function of Android OS is uncertain, the AI-camera provides Hard Reset function in Watch Dog Timer.

### Eliminate of Frequent Malfunction:

1. Response of the AI-camera is slow

Check whether the network speed is normal.

2. The AI-camera cannot connect to Wi-Fi

Check whether the password of Wi-Fi is correct.

3. When AI-camera is plugged in the charger, it doesn't power on

Please wait for 10 seconds after plugging the AI-camera in the charger.

If there is no response after more than 10 seconds, please check whether the charger is plugged in correctly.

### Product Technical Parameters:

Item	Specification
CPU	MT 6737T
Camera	IMX258 13MP PDAF
Flash	3GB+32GB
Sensor	Gyro、M-sensor、G-sensor
Network	Wi-Fi 802.11 a/b/g/n、BT 2.1
Battery	1000mAh

## About FCC Certification:

### **This device complies with part 15 of the FCC Rules**

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**Warning:** Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

### **FCC Radiation Exposure Statement**

The device has been evaluated to meet general RF exposure requirement. The device can be used in fixed/ mobile (min 20cm) exposure condition without restriction.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.