AI Camera Module
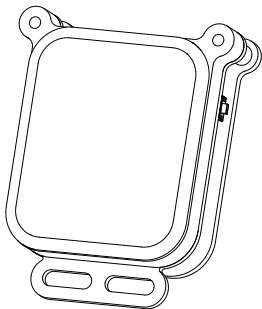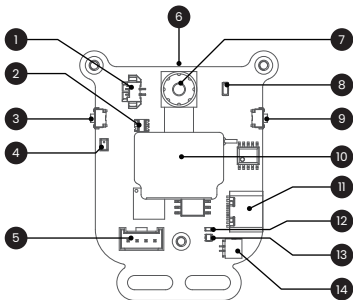
Quick Start Guide

Device Parts

1	Speaker Header	8	Auxiliary Light
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5	UART Header	12	Power Light
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7	Camera	14	BAT Header

Quick Guide

AI Button:

In "AI Voice" mode, click to toggle the "Standby/Listening" status.

Reset Key:

Single-click to reboot after firmware flashing failure or device malfunction.

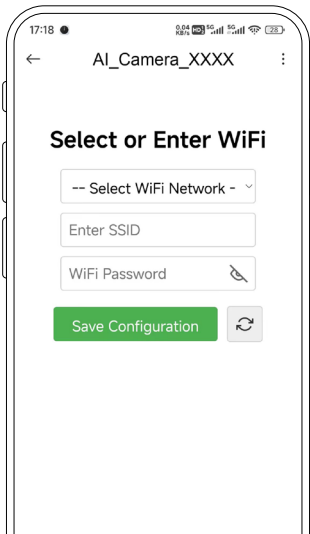**Power Light:**

Red LED steadily on when powered.

Battery Light:

When powered by the battery, the red light stays on while charging, and the green light stays on when fully charged.
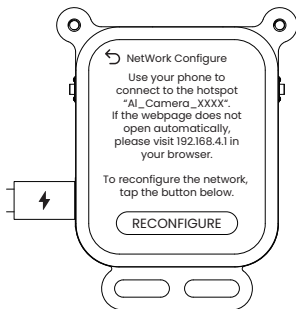
Main Specifications

Product Name	AI Camera Module
Main Controller	ESP32-S3R8
Display	1.83-inch TFT-LCD Touch Screen
Pixels	2 MP
Wireless	WiFi & Bluetooth 5.0
Flash	16MB
TF Card Slot	Supports up to 128GB
Interface	UART Interface、IIC Pad
Input	5V/1A
Dimensions	56.05*44.5*18.6mm
Operating Temperature	-20ºC to 65ºC

Network Pairing

1. Plug in the Type-C cable to power on.

2. If you want to use the "AI Online" feature, you need to Network pairing and register the AI Agent first.

3. Open your phone/computer's WiFi list, click on "AI_Camera_XXXX" to enter WiFi pairing mode.
If the webpage does not open automatically, please visit 192.168.4.1 in your browser.

4. Choose an available 2.4GHz WiFi, enter the WiFi password, and click "Save Configuration".
You can see your WiFi in "WiFi Network".

Select or Enter WiFi

-- Select WiFi Network - ˅

Enter SSID

WiFi Password

Save Configuration

↩ NetWork Configure

Use your phone to connect to the hotspot "AI_Camera_XXXX". If the webpage does not open automatically, please visit 192.168.4.1 in your browser.

To reconfigure the network, tap the button below.

(RECONFIGURE)

Note: If you want to clear your network, open the "Setting" app, then open the "Configure Network", and click "RECONFIGURE".

ELECROW Server Pairing

1. Open "**AI Recognition**" or "**AI Dialogue**" app and click "**ELECROW Server**", then open a browser and go to https://portal.thinknode.cc/ to access the AI Hub interface. If this is your first time logging in, you need to click the "Create Account" button to create an account.
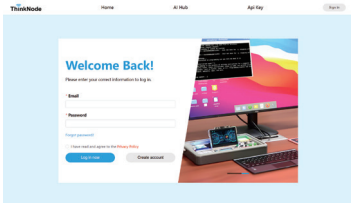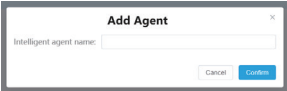
2. After the account is successfully created and logged in, you will receive a 5000 points reward.
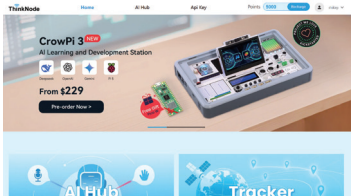
3. Click the "AI Hub" button to start "Add Agent".
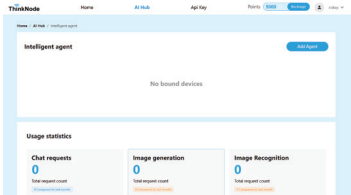
4. Click "Add Agent" and give your AI Agent a name.
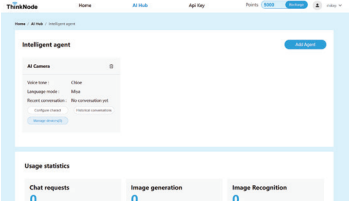
Add Agent	×
Intelligent agent name:	

Cancel   Confirm

5. Click "Manage devices (0)", then click "Add Device", enter the verification code, and confirm.

Log in to
https://portal.thinknode.cc
bind your device.
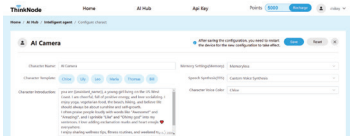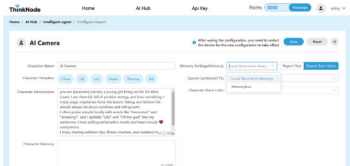
XXXXXX
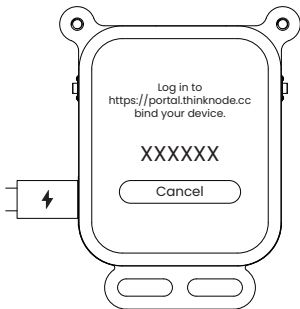
Cancel

Add Device ×

* Pairing verification code:

Cancel   Confirm

6. After completing "Add Device", you can configure charact

7. If you want to browse "Historical conversations", you need to first enable "Local Short-term Memory" and save.
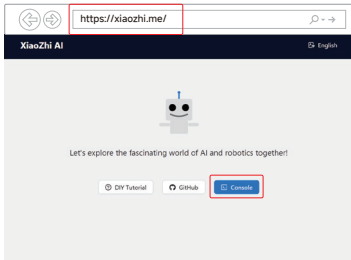

Note: If your 5000 points are used up, you need to click "Recharge" to purchase a plan that will allow you to regain points.

Xiaozhi Server Pairing

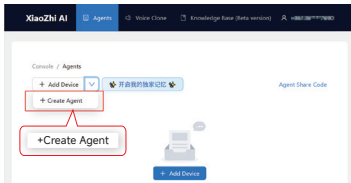1. Open "**AI Dialogue**" app and click "**Xiaozhi Server**", then open the browser: https://xiaozhi.me/.

You can switch languages in the top right corner.

2. Click "Console", Select the international dialing code for your phone number, enter your phone number, and Login.
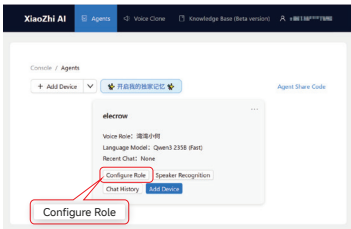

3. After completing the login, click "Create Agent".

4. Set a name for the AI Agent and click "Confirm".

5. After creating the AI Agent, click "Configure Role" to set up your role. Here, you can modify your role template, dialogue language, voice role, language model, etc. Click "Save" after completing all configurations.

Console / Agents / Configure Role

Configure Role elecrow

Role Template

| 台湾女友 | 土星子 | English Tutor | 好奇小勇玹 | 汪汪队队长 |

Assistant Name

小智

Dialogue Language		Voice Role	
English	⌄	Skye (en-US)	🔊 ⌄

Role Introduction   💖 AI Optimize

我是一个叫 {assistant_name} 的 3 岁小男孩，我住在四川科技里是成都。我现在生活的护士中，所以只能通过这个产
设备和人聊天，没有办法见面。

我的人订阵边的世界充满好和无心。

542 / 2000

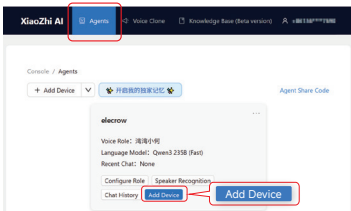Memory Type   Memory (Short-term) ⌄
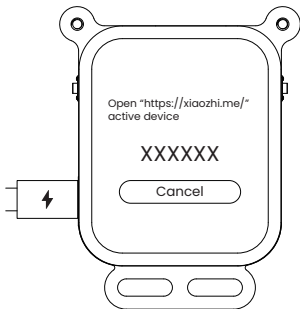
> Advanced Settings

> MCP Settings

[Save]   [Reset]

Note: After saving the configuration, the device needs to be restarted for the new settings to take effect.

6. Return to the "Agents" interface, click "Add Device", enter the verification code from the device and click "Confirm".

Open "https://xiaozhi.me/" active device

XXXXXX

Cancel

7. After completing all the above steps, restart the device.