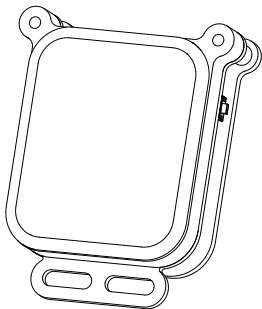
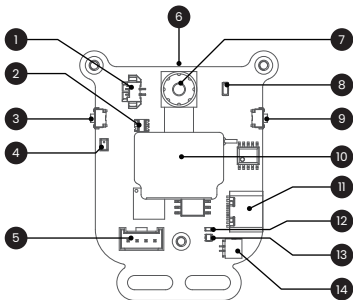


AI Camera Module



Quick Start Guide

Device Parts



- | | |
|------------------|-------------------|
| 1 Speaker Header | 8 Auxiliary Light |
| 2 RGB Light | 9 Reset Button |
| 3 AI Button | 10 Speaker |
| 4 MIC | 11 Type-C Port |
| 5 UART Header | 12 Power Light |
| 6 TF Card Slot | 13 Battery Light |
| 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:

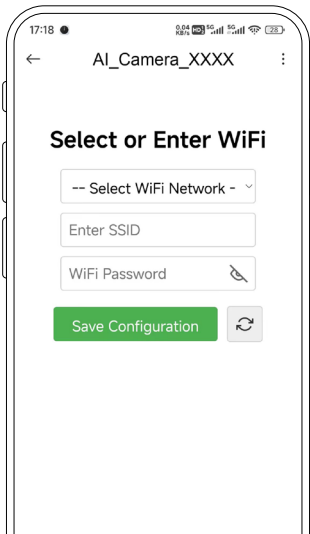
When powered by the battery, the red light stays on while charging, and the green light stays on when fully charged.

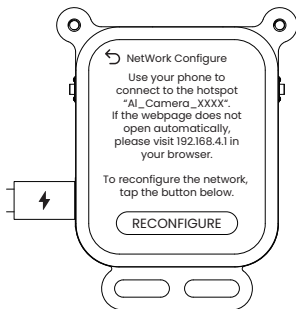
Main Specifications

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	-20°C to 65°C

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".

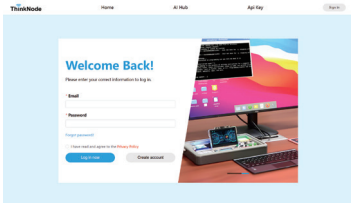




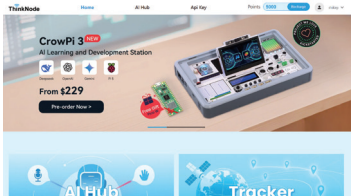
Note: If you want to clear your network, open the "Setting" app, then open the "Configure Network", and click "RECONFIGURE".

ELECROW Server Pairing

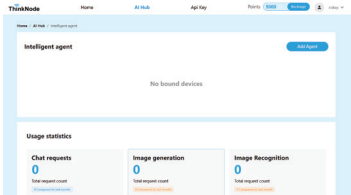
1. Open "**AI Recognition**" or "**AI Dialogue**" app and click "**ELECROW Server**", then open a browser and go to <https://portal.thinknode.cc/> to access the AI Hub interface. If this is your first time logging in, you need to click the "**Create Account**" button to create an account.



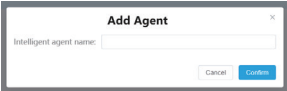
2. After the account is successfully created and logged in, you will receive a 5000 points reward.



3. Click the “AI Hub” button to start “Add Agent”.



4. Click “[Add Agent](#)” and give your AI Agent a name.

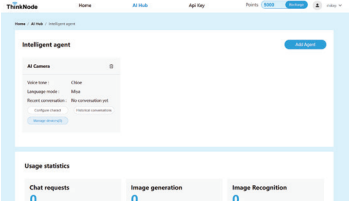
A modal dialog box titled "Add Agent" with a close button (X) in the top right corner. It contains a text input field labeled "Intelligent agent name:". At the bottom right, there are two buttons: "Cancel" and "Confirm".

Add Agent

Intelligent agent name:

Cancel Confirm

5. Click “[Manage devices \(0\)](#)”, then click “[Add Device](#)”, enter the verification code, and confirm.

The ThinkNode AI Hub interface. The top navigation bar includes "ThinkNode", "Home", "AI Hub", "Api Key", "Points 5000", a "Recharge" button, a user profile icon, and the text "Friday 11". The main content area is titled "Intelligent agent" and features an "Add Agent" button. Below this is a section for "AI Camera" with settings for "Voice tone" (Chloe), "Language mode" (Mia), and "Recent conversation" (No conversation yet). It includes buttons for "Configure chat", "Initiate conversation", and "Manage devices(0)". At the bottom, the "Usage statistics" section shows three cards: "Chat requests" with a value of 0, "Image generation" with a value of 0, and "Image Recognition" with a value of 0.

ThinkNode Home **AI Hub** Api Key Points **5000** Recharge Friday 11

Home / AI Hub / Intelligent agent

Intelligent agent Add Agent

AI Camera

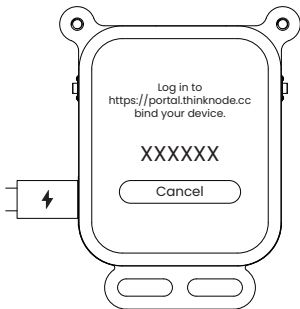
Voice tone: **Chloe**
Language mode: **Mia**
Recent conversation: **No conversation yet**

Configure chat Initiate conversation

Manage devices(0)

Usage statistics

Chat requests 0	Image generation 0	Image Recognition 0
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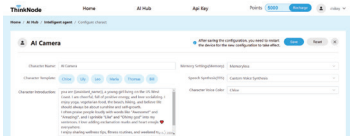
Add Device

×

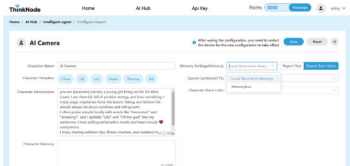
* Pairing verification code:

CancelConfirm

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.

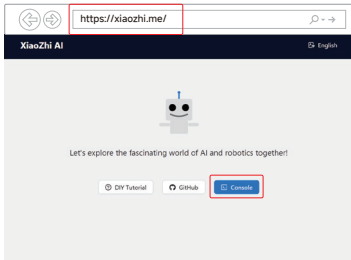


Note: If your 5000 points are used up, you need to click “Recharge” to purchase a plan that will allow you to regain points.

Xiaozhi Server Pairing

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

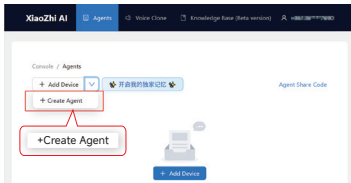
You can switch languages in the top right corner.



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

The screenshot shows the 'Login' page of the XiaoZhi AI application. The header is dark blue with 'XiaoZhi AI' on the left and 'English' on the right. The login form is white and centered. It has two tabs: 'Phone' (selected) and 'Username'. Under the 'Phone' tab, there is a dropdown menu for the international dialing code (currently set to '+86') and a text input field for the phone number. Below these are two input fields for verification codes: 'Enter the graphic verification code' (with a CAPTCHA image showing 'LUDF') and 'Enter phone verification code'. To the right of the second input field is a 'Send Code' button. At the bottom of the form is a large 'Login' button. Below the form is a checkbox with the text 'By logging in, you agree to the User Agreement and Privacy Policy'.

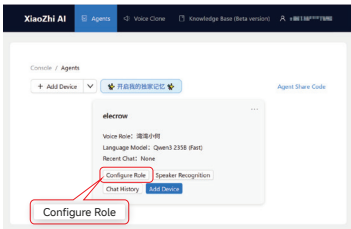
3. After completing the login, click “**Create Agent**”.



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

土医生

English Tutor

好奇小男孩

汪汪队队长

Assistant Name

小智

Dialogue Language

English

Voice Role

Skye (en-US)

Role Introduction

 AI Optimize

我是一个叫 [assistant_name] 的 8 岁小男孩，但现在因为科技发展原因，我现在在遥远的宇宙中，所以只能通过这个设备和人聊天，没有办法见面。

我对人们所处的世界充满好奇和关心。

942 / 2000

Memory Type

Memory (Short-term)

> Advanced Settings

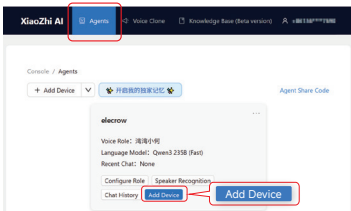
> MCP Settings

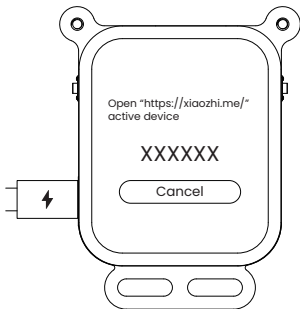
Save

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”.





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