

## Imou Ranger 2C Pro 2K

# Imou Ranger 2C Pro 2K Indoor WiFi Security Camera User Manual

Model: Ranger 2C Pro 2K (IPC-S2CP-3R1S)

## 1. SAFETY INFORMATION

Please read this manual carefully before operating the device and retain it for future reference. Follow all safety instructions to prevent damage or injury.

- Use only the power adapter provided with the camera.
- Ensure the installation surface is strong enough to hold the camera.
- Avoid placing the camera in direct sunlight, near heat sources, or in extremely humid environments.
- Do not attempt to disassemble or modify the camera. Contact support for service.
- Keep the camera away from water and other liquids. This product is not waterproof.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x Imou WiFi Surveillance Camera
- 1x Installation Position Map
- 1x Screw Package
- 1x Power Cable
- 1x Quick Installation Guide
- 1x Mounting Plate
- 1x Power Adapter

## 3. PRODUCT OVERVIEW

The Imou Ranger 2C Pro 2K is an indoor security camera designed for comprehensive home surveillance. It features 2K

(3MP) resolution, dual-band Wi-Fi 6 connectivity, and a 360° panoramic view.



Figure 3.1: Imou Ranger 2C Pro 2K Camera Front View

### Key Features:

- **2K (3MP) Resolution:** Provides clear and detailed video footage.
- **Dual-Band Wi-Fi 6:** Supports 2.4GHz and 5GHz networks for stable and reliable connectivity.
- **360° Panoramic Coverage:** Pan (0-355°) and Tilt (-5-80°) functionality eliminates blind spots.
- **Color Night Vision:** Offers clear color images up to 10 meters in low-light conditions.
- **Person and Pet Detection:** Advanced AI distinguishes between humans and pets, reducing false alerts.
- **Intelligent Tracking:** Automatically follows moving objects or individuals.
- **Two-Way Audio:** Built-in microphone and speaker for communication.
- **One-Click Call:** Allows users to initiate a call from the camera to the connected smartphone.
- **Abnormal Sound Detection:** Alerts you to unusual sounds like baby cries or breaking glass.
- **Privacy Mode:** Physically hides the camera lens via the app for privacy.

- **Flexible Storage:** Supports Micro SD card (up to 512GB), Cloud Storage, and NVR.
- **Alexa and Google Assistant Compatible:** Integrates with smart home ecosystems.

## 4. SETUP AND INSTALLATION

### 4.1 Powering On the Camera

1. Connect the power cable to the camera's power port.
2. Plug the power adapter into a wall outlet. The camera will power on and its indicator light will flash.

### 4.2 App Installation and Account Creation

1. Download the Imou Life app from your smartphone's app store (iOS or Android).
2. Open the app and create an account or log in if you already have one.

### 4.3 Adding the Camera to the App

1. In the Imou Life app, tap the '+' icon to add a new device.
2. Scan the QR code located on the bottom of the camera.
3. Follow the on-screen instructions to connect the camera to your Wi-Fi network. Ensure your phone is connected to the same Wi-Fi network (2.4GHz or 5GHz) during setup.
4. Once connected, the camera's indicator light will turn solid green.

### 4.4 Mounting Options

The camera can be installed flat on a table, mounted on a wall, or on the ceiling.

- **Tabletop Installation:** Place the camera on a stable, flat surface.
- **Wall/Ceiling Installation:** Use the provided mounting plate and screws. Refer to the installation position map for drilling guidance. Ensure the camera is securely fastened.



Figure 4.1: Illustrates the 360-degree panoramic coverage of the camera, showing its pan and tilt capabilities within a room setting.

## 5. OPERATING INSTRUCTIONS

### 5.1 Live View and Playback

Access live video feed and recorded footage through the Imou Life app. You can pan and tilt the camera remotely using

the controls in the app.

## 5.2 Motion Detection and Alerts

The camera features intelligent detection for people and pets. When motion is detected, the camera can send instant notifications to your smartphone.

- **Configure Detection Zones:** In the app settings, you can define specific areas for motion detection to reduce irrelevant alerts.
- **Sensitivity Adjustment:** Adjust the detection sensitivity to suit your environment.



Figure 5.1: Illustration of the camera's intelligent detection capabilities, highlighting how it identifies people and pets.

## 5.3 Intelligent Tracking

Enable intelligent tracking in the app to have the camera automatically follow detected movement within its field of view.

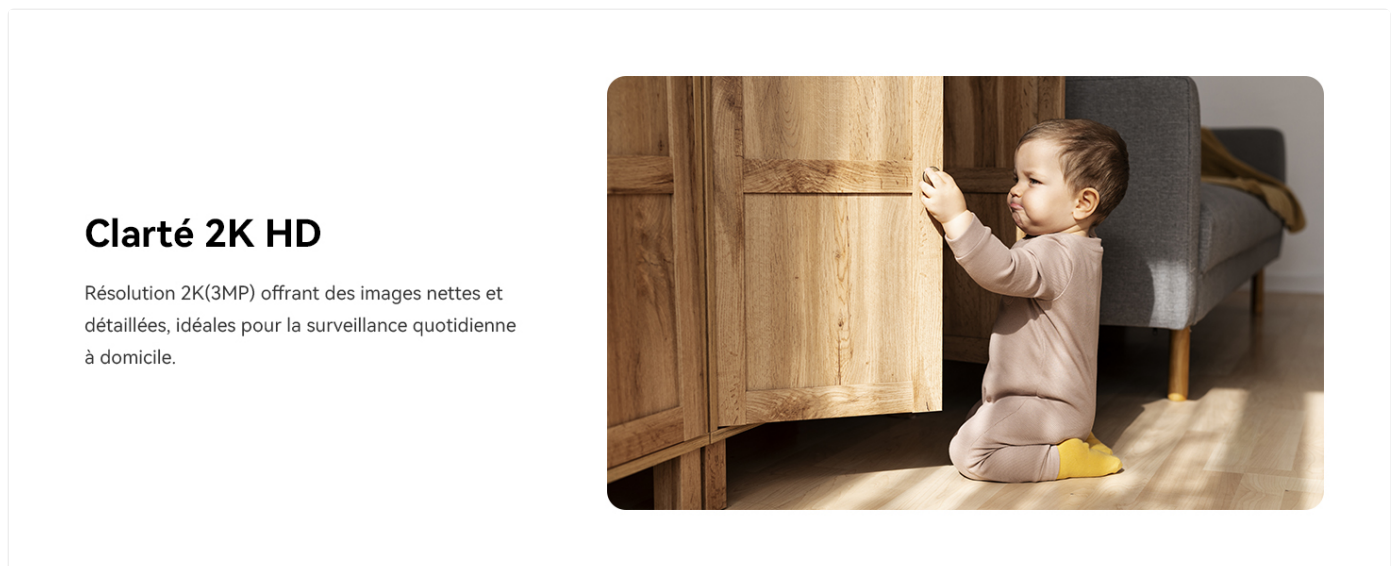


Figure 5.2: Depicts the intelligent tracking feature, showing the camera following a child's movement.

## 5.4 Two-Way Audio and One-Click Call

Use the two-way audio feature to speak through the camera and listen to its surroundings. The one-click call button on the camera allows a person near the camera to initiate a call to your smartphone.

## Surveillance Panoramique à 360°

Couverture complète de la pièce avec vue à 360°—sans angles morts pour une sécurité intérieure totale.



Figure 5.3: Shows the one-click call function, where a hand presses the camera button to initiate a call on a smartphone.

## 5.5 Privacy Mode

Activate privacy mode via the Imou Life app. This physically rotates the camera lens to hide it, ensuring privacy when needed.

### Suivi Intelligent

Détectez instantanément les mouvements de votre enfant et ne manquez jamais un moment de sa croissance !



Figure 5.4: Illustrates the privacy mode, where the camera lens is physically masked via the app.

## 5.6 Storage Options

The camera supports multiple storage methods:

- **Micro SD Card:** Insert a Micro SD card (up to 512GB, not included) into the designated slot for local storage. To access the Micro SD card slot, manually rotate the camera lens upwards.
- **Imou Cloud Storage:** Subscribe to Imou Cloud for secure online storage of your recordings.
- **Network Video Recorder (NVR):** Connect the camera to a compatible NVR for continuous recording.

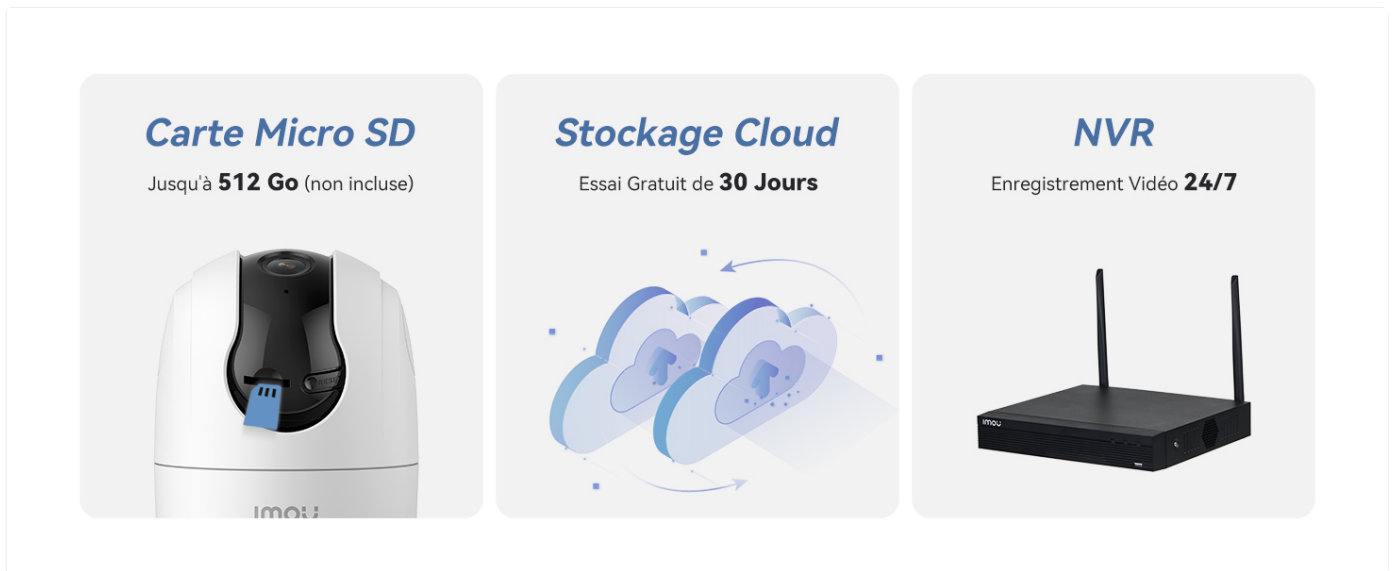


Figure 5.5: Diagram showing the various storage options available for the camera: Micro SD card, Cloud Storage, and NVR.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Regularly check for and install firmware updates through the Imou Life app to ensure optimal performance and security.
- **Storage Management:** If using a Micro SD card, periodically review and manage stored footage. Format the card as needed.

## 7. TROUBLESHOOTING

Problem	Possible Solution
Camera offline	Check Wi-Fi connection, power supply. Restart camera and router. Re-add camera to app if necessary.
Frequent disconnections	Ensure strong Wi-Fi signal. Reduce distance to router or minimize interference. Consider using 5GHz band if available and supported.
No notifications	Check app notification settings and phone's system notification settings. Verify detection zones and sensitivity.
Poor image quality	Clean the camera lens. Ensure adequate lighting. Check network bandwidth.
Micro SD card not recognized	Ensure the card is inserted correctly. Try formatting the card in the app. Use a compatible Micro SD card (Class 10 or higher).

## 8. SPECIFICATIONS

Feature	Detail
Model Name	Ranger 2C Pro 2K
Model Number	IPC-S2CP-3R1S

Feature	Detail
Resolution	3 Megapixels (2K)
Connectivity Technology	Bluetooth, Ethernet, WiFi 2.4GHz/5GHz (Wi-Fi 6)
Pan/Tilt Range	Pan: 0-355°, Tilt: -5-80°
Night Vision Range	10 Meters (Color Night Vision)
Storage Options	Micro SD (up to 512GB), Cloud Storage, NVR
Power Source	Electric Cable (5V, 5W)
Dimensions	10 x 7.7 x 7.7 cm
Supported Devices	Laptop, Smartphone, Tablet
Controller Type	Amazon Alexa, Google Assistant
Video Encoding	H.265/H.264
Optical Sensor Technology	CMOS
Digital Zoom	8x

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Imou website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

You can visit the official Imou store for more information: [Imou Brand Store](#)

