

[Manuals.plus](#) /

› [visiPower](#) /

› visiPower TY100 1080P Pan/Tilt WiFi IP Camera User Manual

visiPower TY100

visiPower TY100 1080P Pan/Tilt WiFi IP Camera User Manual

Model: TY100

Your guide to setting up, operating, and maintaining your security camera.

1. INTRODUCTION

Thank you for choosing the visiPower TY100 1080P Pan/Tilt WiFi IP Camera. This camera is designed to provide high-definition surveillance with advanced features such as humanoid motion detection, automatic tracking, and two-way audio. This manual will guide you through the installation, operation, and maintenance of your new security camera.



Figure 1.1: visiPower TY100 IP Camera

The visiPower TY100 camera features a sleek design with dual antennas for enhanced Wi-Fi connectivity.

2. PRODUCT OVERVIEW

The visiPower TY100 camera is equipped with a 2 Megapixel progressive scan CMOS sensor and a 3.6mm lens, providing clear 1080P resolution. It supports Pan (355°) and Tilt (100°) functions for wide area coverage.

Product Details



Box Weight: 0.56kg

Box Size: 200*175*110mm

- 1 Antenna
- 2 Microphone
- 3 Speaker
- 4 Photosensitive sensor
- 5 IR LEDs
- 6 3.6mm Lens
- 7 Reset Button
- 8 Micro SD Card Slot
- 9 5V2A Power Cable





Figure 2.1: Product Details and Component Identification

This diagram illustrates the dimensions and key components of the camera, including antennas, microphone, speaker, photosensitive sensor, IR LEDs, lens, reset button, Micro SD card slot, and power cable port.

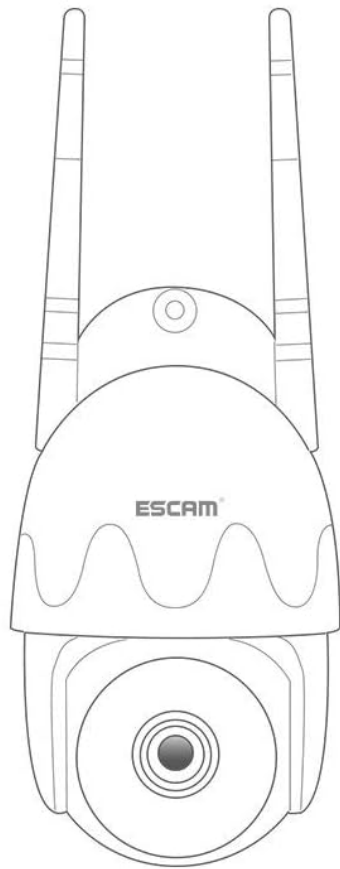
Key Components:

- **Antenna:** For Wi-Fi connectivity.
- **Microphone:** For audio input and two-way communication.
- **Speaker:** For audio output and two-way communication.
- **Photosensitive Sensor:** Detects ambient light for automatic day/night mode switching.
- **IR LEDs:** 8pcs IR leds for night vision up to 20 meters.
- **3.6mm Lens:** Provides a 75.7° angle of view.
- **Reset Button:** Used to reset the camera to factory settings.
- **Micro SD Card Slot:** Supports up to 128 GB for local storage.
- **5V2A Power Cable:** For power supply.

3. WHAT'S IN THE BOX

Before you begin, please check the package contents to ensure all items are present and in good condition.

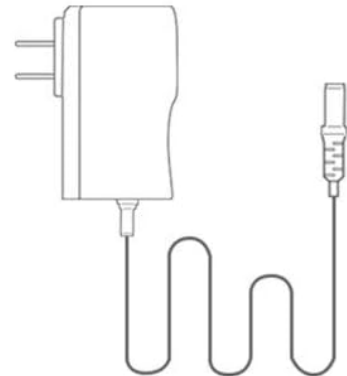
What's in the Box



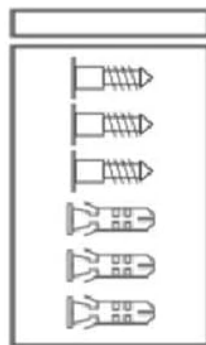
WIFI IP Camera *1



Reset Needle *1



Power Supply *1



Screws Package *1



Quick start guide *1

Figure 3.1: Package Contents

This image displays all items included in the product packaging, ensuring you have everything needed for installation.

Package List:

- IP Camera x 1
- Power Adapter x 1
- Screws Package x 1
- Reset Needle x 1
- Quick Start Guide x 1

4. SETUP

Follow these steps to set up your visiPower TY100 camera:

4.1 Power Connection

1. Connect the provided power adapter to the camera's power input port.
2. Plug the power adapter into a standard electrical outlet. The camera will power on and initiate its self-test.

4.2 App Download and Account Registration

1. Download the recommended mobile application (e.g., Tuya Smart or Smart Life, as the camera is powered by Tuya) from your smartphone's app store (App Store for iOS, Google Play Store for Android).
2. Open the app and register a new account if you don't have one, or log in with an existing account.

4.3 Network Connection

The camera supports Wi-Fi 802.11b/g/n (2.4G band) and AP Connection.

1. Wi-Fi Connection (Recommended):

- In the app, tap 'Add Device' or the '+' icon.
- Select 'Security & Video Surveillance' > 'Smart Camera'.
- Follow the on-screen instructions to connect the camera to your home Wi-Fi network. This typically involves scanning a QR code displayed on your phone with the camera, or entering your Wi-Fi password.

2. AP Connection (Access Point Mode):

- If you do not have a router or prefer direct connection, the camera can create its own Wi-Fi hotspot.
- In the app, select AP Mode connection.
- Connect your phone directly to the camera's Wi-Fi hotspot (usually named 'SmartLife-XXXX' or similar) from your phone's Wi-Fi settings.
- Return to the app to complete the connection.



Figure 4.1: Camera Installation Example

The camera can be mounted on a wall or ceiling using the provided screws, suitable for indoor use.

5. OPERATING

Once your camera is set up and connected to the app, you can begin utilizing its features.

5.1 Live View and Pan/Tilt Control

- Open the app and select your camera from the device list to access the live view.
- You can manually control the camera's pan (355°) and tilt (100°) movements by sliding your finger across the screen in the live view interface.

Pan/Tilt Monitoring

Sliding screen manually enables remote control of the rotation of camera and real-time monitoring.



Figure 5.1: Pan/Tilt Monitoring

Control the camera's viewing angle remotely through the mobile application, allowing for comprehensive area coverage.

5.2 Humanoid Motion Detection and Tracking

- The camera features advanced humanoid motion detection. When a human figure is detected, the camera will automatically trigger an alarm and push notifications to your phone.
- The camera will also automatically track the detected human, keeping them in the frame.
- You can adjust sensitivity settings and notification preferences within the app.

5.3 Night Vision

- Equipped with 8 IR LEDs, the camera automatically switches to night vision mode in low-light conditions.
- It provides clear black and white images up to 20 meters in complete darkness.

5.4 Two-Way Audio

- Use the built-in microphone and speaker to communicate with people on the camera's side.
- Tap the microphone icon in the app's live view to speak, and listen through the speaker.

5.5 Storage Options

- **TF Card (Micro SD):** Insert a Micro SD card (up to 128 GB, not included) into the designated slot for local video recording.
- **Cloud Storage:** The camera offers a free 1-month cloud storage experience. You can subscribe to cloud storage plans for continuous recording and secure off-site backup.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your camera.

6.1 Cleaning

- Gently wipe the camera lens and body with a soft, dry cloth.
- Do not use harsh chemicals, cleaning solvents, or aerosol cleaners as they may damage the camera's surface or internal components.

6.2 Firmware Updates

- Periodically check the mobile app for available firmware updates.
- Firmware updates can improve performance, add new features, and enhance security. Follow the in-app instructions carefully when performing updates.

6.3 Resetting the Camera

- If you encounter persistent issues or need to reconfigure the camera, you can perform a factory reset.
- Locate the reset button (refer to Figure 2.1). Use the provided reset needle or a thin pin to press and hold the reset button for approximately 5-10 seconds until you hear a prompt or see an indicator light change.
- After resetting, the camera will return to its default settings and you will need to re-add it to the app.

7. TROUBLESHOOTING

If you experience issues with your camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera offline/Cannot connect to Wi-Fi	Incorrect Wi-Fi password; Camera too far from router; Router 5GHz only; Network congestion.	Ensure correct 2.4GHz Wi-Fi password. Move camera closer to router. Ensure router supports 2.4GHz. Restart router and camera.
Poor image quality	Dirty lens; Insufficient lighting; Network bandwidth issues.	Clean the lens with a soft cloth. Ensure adequate lighting or check night vision. Check internet speed.

Problem	Possible Cause	Solution
Motion detection not working	Detection sensitivity too low; Detection area not set; Notifications disabled.	Adjust motion detection sensitivity in the app. Define detection zones. Enable push notifications for the app.
Two-way audio not working	Microphone/speaker muted; App permissions.	Check mute settings in the app. Ensure the app has microphone permissions on your phone.
SD card not recording	SD card full/corrupted; Incorrect recording settings.	Format the SD card in the app. Check recording schedule and mode settings. Replace SD card if corrupted.

If the problem persists after trying these solutions, please contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the visiPower TY100 IP Camera:

Feature	Specification
Model	TY100
Sensor	1/2.9" 2 Megapixel progressive scan CMOS
Electronic Shutter Speed	Auto/Manual, 1/50~1/10000s
Minimum Illumination	Color: 0.1Lux@F1.2, B/W: 0.01Lux@F1.2
Focal Length	3.6mm
Angle of View	75.7°
Pan/Tilt Function	Pan: 355°, Tilt: 100°
Day/Night Switch	8pcs IR LEDs, IR distance 20m
Video Compression	H.264
Resolution	Mainstream: 1080P (1920*1080), Substream: 720P (1280*720)
Video Frame Rate	20fps (50HZ), 20fps (60HZ)
Wireless Connectivity	WIFI 802.11b/g/n, 2.4G band
IP Type	Dynamic IP

Feature	Specification
Network Protocol	TCP/IP, NTP, DHCP, DNS
Client Support	iPhone, iPad, Android
Alarm Detection	Humanoid detection and automatically tracking, Motion detection and automatically tracking
Alarm Action	Alarm recording, alarm capture, APP push
Audio Input	Built-in microphone
Audio Output	Built-in speaker
TF Card Storage	Support max to 128 GB TF card (micro SD)
Cloud Storage	Free 1 month cloud storage experience
Power Supply	DC5V
Power Consumption	<5W
Working Environment	-10°C~+50°C, 10%~85% humidity
Dimension	160mm * 90mm * 140mm
Weight	0.38kg
Package Dimension	200mm * 175mm * 110mm
Package Weight	0.56kg
UPC	784136172311
ASIN	B08Z711ZWP

9. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer. If you require technical assistance or have questions not covered in this manual, please contact visiPower customer support.

You can also visit the official visiPower store for more information and support resources: [visiPower Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B08Z711ZWP>

More documents and user manuals: <https://manuals.plus/>