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> Dosilkc DS-TY02 2K+ Outdoor Security Camera Instruction Manual

## Dosilkc DS-TY02 2K+

# Dosilkc DS-TY02 2K+ Outdoor Security Camera Instruction Manual

Comprehensive guide for setting up, operating, and maintaining your Dosilkc DS-TY02 2K+ Outdoor Security Camera.

## 1. PRODUCT OVERVIEW

The Dosilkc DS-TY02 2K+ is an outdoor security camera designed for home surveillance. It features 2K resolution, dual-band 2.4GHz/5GHz WiFi connectivity, and pan-tilt functionality for a 360° horizontal and 120° vertical view. Key features include motion detection with tracking, color night vision, and two-way audio communication. The camera is rated IP66 for weather resistance, suitable for outdoor environments.



Figure 1.1: Dosilkc DS-TY02 2K+ Outdoor Security Camera in operation, demonstrating its pan-tilt capabilities and remote viewing via a smartphone application.

## 2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- Smart Camera (Dosilkc DS-TY02 2K+)
- Power Adapter
- Power Cable (USB-C to USB-A)
- Tool Screw Bag/Bracket for mounting
- User Manual



Figure 2.1: Package contents of the Dosilkc DS-TY02 2K+ Security Camera.

## 3. SETUP GUIDE

1. **Power On:** Connect the camera to the power adapter using the provided USB-C cable and plug it into a power outlet. The camera will initiate its startup sequence.
2. **Download App:** Scan the QR code in the user manual or search for the recommended app (e.g., "Tuya Smart Life" or similar, as indicated in the manual) on your smartphone's app store. Install the application.
3. **Register/Login:** Open the app and register a new account or log in if you already have one.
4. **Add Device:** Follow the in-app instructions to add your camera. This typically involves selecting "Add Device" or "Security Camera" and then choosing the appropriate camera model.
5. **Network Connection:** The app will guide you to connect the camera to your Wi-Fi network. Ensure your Wi-Fi network is 2.4GHz or 5GHz compatible. The camera supports dual-band connectivity. You may need to display a QR code on your phone screen for the camera to scan, establishing the connection.
6. **Initial Password:** The default username is often "admin". The default password for the camera may be "123456" or "12345678" as found on the device label or in the manual. It is highly recommended to change this default password immediately after initial setup for security purposes.



Figure 3.1: Icons illustrating WiFi connectivity and smartphone app control for the camera.

## 4. OPERATING INSTRUCTIONS

### 4.1 Pan-Tilt Control

The camera offers a wide viewing angle with 355° horizontal pan and 120° vertical tilt. Use the directional controls within the mobile application to remotely adjust the camera's view. This allows for comprehensive coverage of your surveillance area.

### 4.2 Motion Detection & Tracking

The camera is equipped with smart motion detection and tracking capabilities. When motion is detected, the camera can automatically track the moving object and send alerts to your smartphone. Sensitivity levels and activity zones can be customized within the app to minimize false alarms.



Figure 4.1: Illustration of the camera's motion detection and tracking feature.

### 4.3 Color Night Vision

The camera provides color night vision, allowing for clear, full-color images even in low-light conditions. This feature enhances visibility and detail compared to traditional black-and-white infrared night vision.



Figure 4.2: Icon indicating the color night vision capability.

### 4.4 Two-Way Audio

Utilize the built-in microphone and speaker for two-way audio communication. This allows you to listen to the camera's surroundings and speak through the camera from your smartphone, enabling interaction with visitors or deterring intruders.



## Real-time Two Way Talk

No matter how far away, Easily talk through the WiFi Camera

Figure 4.3: Demonstrating the two-way audio feature of the camera.

### 5. CONNECTIVITY

The Dosilkc DS-TY02 2K+ camera supports dual-band Wi-Fi (2.4GHz and 5GHz) for flexible and stable network connections. Ensure your router supports these frequencies for optimal performance. The camera can also integrate with smart home devices like Amazon Alexa and Google Assistant for voice control and viewing.



Figure 5.1: Dual-band 2.4GHz/5GHz WiFi connectivity for enhanced network performance.

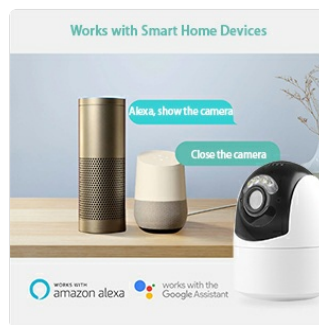


Figure 5.2: Compatibility with Amazon Alexa and Google Assistant.

## 6. MOUNTING AND INSTALLATION

The camera comes with a mounting bracket and screws for installation. It can be mounted on a wall or ceiling. Ensure the mounting location provides a clear view of the area you wish to monitor and is within range of your Wi-Fi network. For outdoor installation, position the camera under an overhang or protected area to minimize direct exposure to harsh weather conditions, despite its IP66 rating.



Figure 6.1: Various mounting options for the camera.

## 7. SPECIFICATIONS

Feature	Specification
Brand	Dosilkc
Model	DS-TY02 2K+
Video Capture Resolution	2K (1080p supported)
Connectivity Technology	Wireless (Wi-Fi)
Connectivity Protocol	Wi-Fi (2.4GHz & 5GHz dual-band)
Pan/Tilt Range	355° Pan / 120° Tilt
Night Vision	Color Night Vision
Audio	2-Way Audio
Waterproof Rating	IP66
Motion Detection	Yes, with Tracking
Compatible Devices	Smartphone, Amazon Alexa, Google Assistant
Power Source	DC (Adapter included)

## 8. TROUBLESHOOTING

### • Camera Not Powering On:

- Ensure the power adapter and cable are securely connected to the camera and a working power outlet.
- Verify the power outlet is functional.

### • Unable to Connect to Wi-Fi:

- Confirm your Wi-Fi network is 2.4GHz or 5GHz.
- Ensure the camera is within range of your Wi-Fi router.
- Double-check the Wi-Fi password entered in the app.
- If using a QR code for connection, ensure the camera lens is clean and the QR code is displayed clearly on your phone screen at an appropriate distance.
- Restart your router and the camera, then attempt the connection process again.

### • Motion Detection Not Working:

- Check the motion detection settings in the app to ensure it's enabled and sensitivity is adjusted correctly.
- Verify that activity zones are properly configured.

### • Poor Video Quality:

- Ensure a strong Wi-Fi signal. Weak signals can affect streaming quality.
- Clean the camera lens to remove any dust or smudges.

### • Outdoor Use Considerations:

- While rated IP66 for weather resistance, direct and prolonged exposure to heavy rain or extreme weather

conditions can potentially affect the camera's longevity. It is recommended to install the camera in a sheltered location, such as under an eave or porch, to provide additional protection.

- Ensure the power connection is also protected from moisture.

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or service inquiries, please refer to the contact details provided on the product packaging or the official Dosilkc website. Keep your purchase receipt as proof of purchase for warranty claims.