

## ARPHA K16-2

# ARPHA K16 Security Camera User Manual

Model: K16-2 | Brand: ARPHA

For optimal performance, please read this manual thoroughly before use.

## 1. INTRODUCTION

The ARPHA K16 Security Camera is a versatile wired outdoor/indoor Wi-Fi surveillance solution designed to provide comprehensive monitoring with advanced features. It boasts dual 2MP resolution for full-color imaging, a 169° ultra-wide-angle lens, and a unique gun-ball linkage design for extensive coverage. Equipped with two-way audio, smart alarm capabilities, and compatibility with Alexa and Google Assistant, the K16 offers robust security and convenient control for your home or business.

## 2. PACKAGE CONTENTS

Please check the package contents carefully. If any items are missing or damaged, contact ARPHA customer support.

- 1 x ARPHA K16 Security Camera

## 3. KEY FEATURES

### 3.1. Wide Angle and Dual 2MP Full-Color Image

The K16 camera features a 169° ultra-wide-angle lens and dual 2MP resolution, providing clear, detailed, and full-color images. Its unique gun-ball linkage design allows for 280° horizontal (pan) and 155° vertical (tilt) rotation, enabling comprehensive surveillance of your environment. The camera is equipped with 6 lights (infrared and white light) to enhance image quality in various lighting conditions.

## 280°Pan & 155°Tilt

Multiple angle complete surveillance



Image: The ARPHA K16 camera offers extensive coverage with 280° pan and 155° tilt capabilities, controllable via the mobile application.

### 3.2. Easy Installation & 2.4G WiFi Connectivity

This wired outdoor Wi-Fi camera is designed for straightforward installation and requires a constant power supply. It supports 2.4GHz Wi-Fi networks exclusively. Users should ensure their network is configured for 2.4GHz for proper connectivity.

## Supports 2.4G WiFi Connection



Image: The K16 camera connects via 2.4GHz Wi-Fi, ensuring stable wireless communication.

### 3.3. Smart Alarm & AI Detection

The K16 camera supports intelligent alarm functions. Upon motion detection, you will receive instant alerts on your mobile application. The camera features advanced AI detection capabilities, allowing it to recognize and differentiate between humans, vehicles, and pets, reducing false alarms and focusing on what matters most.

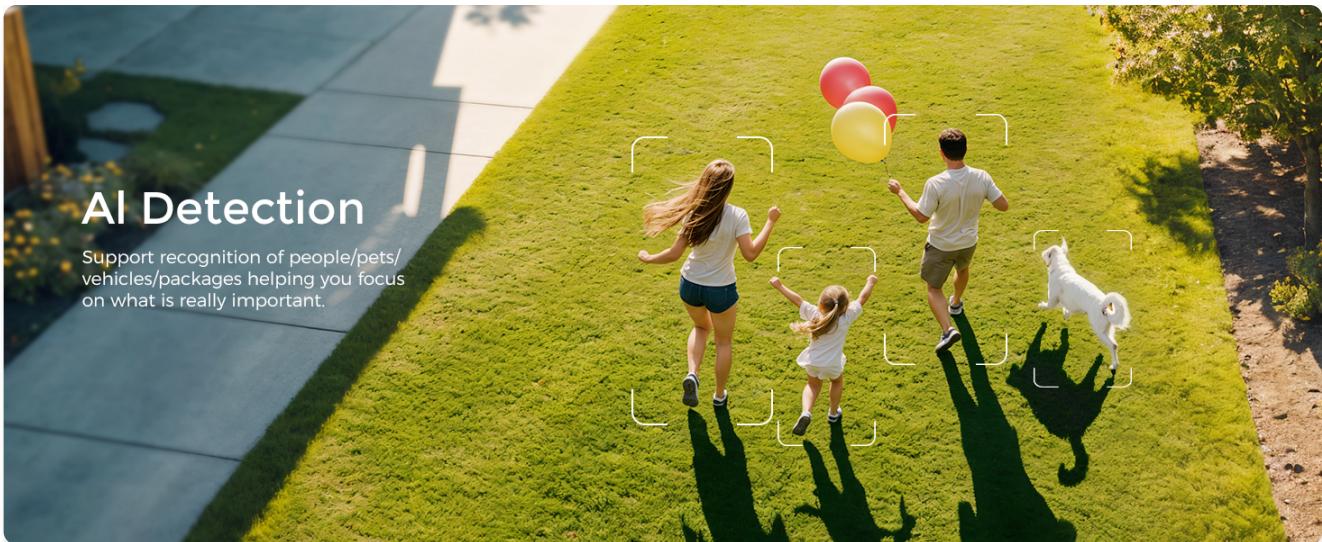


Image: AI Detection supports recognition of people, pets, and vehicles, helping you focus on important events.

### 3.4. Two-Way Audio

Equipped with a built-in microphone and speaker, the K16 allows for real-time two-way conversations. You can communicate with visitors, couriers, or deter intruders directly through the camera via the mobile app. The audio quality is optimized for clear human voices.

## 2-Way Audio



Image: Two-way audio functionality allows for clear communication through the camera.

### 3.5. Storage Options

The K16 camera offers flexible storage solutions. Footage can be stored locally on a TF card (up to 128GB, not included) or securely in cloud storage. A 3-day free cloud trial may be available.



## Local & Cloud Storage

Support recognition of people/pets/vehicles/packages helping you focus on what is really important.



Local Storage  
Up to 128G TF Card  
(Not Included)



Cloud Storage  
3 Days Free  
Cloud Trial

Image: Supports both local storage via TF card and cloud storage for recorded footage.

### 3.6. IP65 Weatherproof

Designed for both indoor and outdoor use, the K16 camera features an IP65 waterproof housing, ensuring reliable operation in various weather conditions. It can withstand temperatures from -4°F to 140°F (-20°C to 60°C) and 10% ~ 95% non-condensing humidity.

# IP65 Weatherproof

No fear of bad weather



Sunny



Rainy



Snowing

Image: The IP65 weatherproof design ensures the camera functions reliably in diverse weather conditions.

## 3.7. Smart Home Integration

The K16 camera is compatible with Amazon Alexa and Google Assistant, allowing for convenient voice control and integration into your smart home ecosystem.

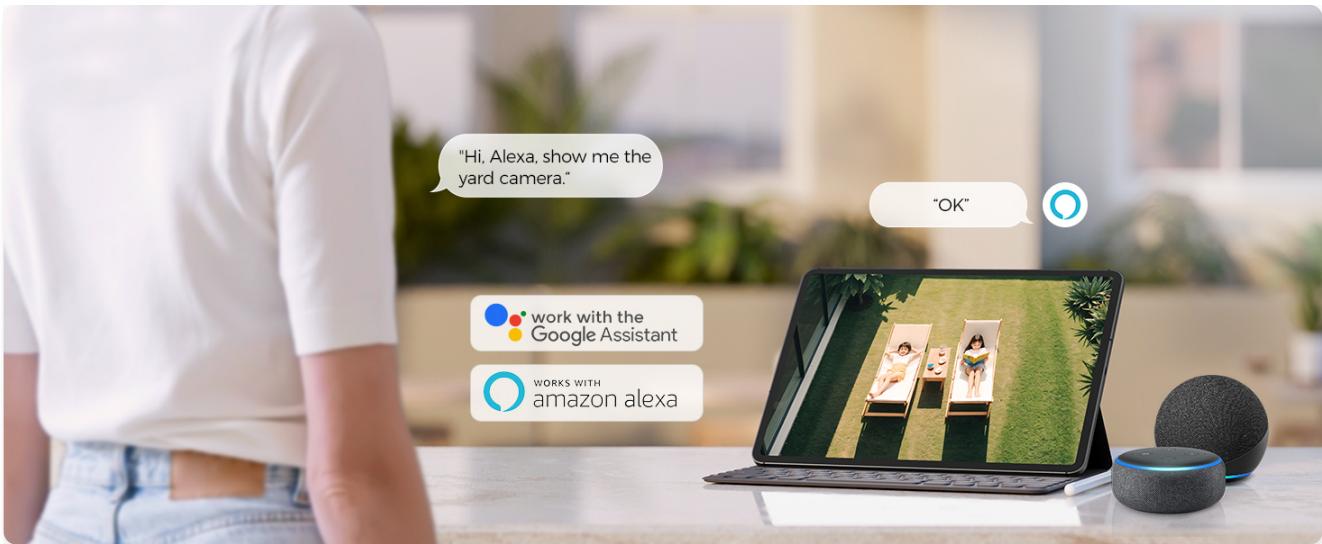


Image: Seamlessly integrates with Amazon Alexa and Google Assistant for voice control.

## 4. SETUP GUIDE

### 4.1. Powering On

1. Unpack the camera and all accessories.
2. Connect the power adapter to the camera's power input port.
3. Plug the power adapter into a standard electrical outlet. The camera will power on and initiate its startup sequence.

### 4.2. App Download and Account Registration

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

### 4.3. Connecting to Wi-Fi

1. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network. **The K16 camera only supports 2.4GHz Wi-Fi.**
2. In the app, tap 'Add Device' or the '+' icon.
3. Select 'Security Camera' or 'Smart Camera' from the device list.
4. Follow the on-screen instructions to put the camera into pairing mode (usually indicated by a flashing light).
5. Enter your 2.4GHz Wi-Fi network password when prompted.
6. The app will generate a QR code. Hold your phone with the QR code in front of the camera lens at a distance of 6-8 inches until you hear a prompt indicating successful connection.
7. Once connected, you can name your camera and begin using it.

## 5. OPERATING INSTRUCTIONS

### 5.1. Live View and Playback

- Open the mobile app and select your K16 camera from the device list to access the live view.
- Use the on-screen controls to pan (280° horizontal) and tilt (155° vertical) the camera to adjust its viewing

angle.

- Access recorded footage via the 'Playback' or 'History' section in the app. You can filter by date and time.

## 5.2. Two-Way Audio Communication

- While in live view, tap the microphone icon to initiate two-way audio.
- Speak into your phone's microphone to transmit your voice through the camera's speaker.
- The camera's microphone will pick up audio from its surroundings, which you can hear through your phone.

## 5.3. Smart Alarm and AI Detection Settings

- Navigate to the camera settings in the app.
- Enable 'Motion Detection' and adjust sensitivity levels as needed.
- Configure 'Alarm Notifications' to receive alerts on your phone when motion is detected.
- Utilize 'AI Detection' features to specify detection types (Human, Vehicle, Pet) to minimize irrelevant alerts.

## 5.4. Storage Management

- **TF Card Storage:** Insert a TF (microSD) card (up to 128GB) into the designated slot on the camera. Ensure the card is inserted correctly. *Note: There is a slot on the bottom that resembles an SD card slot but is not; inserting a card there may cause it to fall inside the camera. Refer to the manual's diagram for the correct slot.*
- **Cloud Storage:** Follow the in-app instructions to subscribe to cloud storage services for continuous recording and remote access to footage.

## 5.5. Smart Assistant Integration (Alexa/Google Assistant)

- In the mobile app, go to 'Me' or 'Profile' and find 'Third-Party Services' or 'Smart Integrations'.
- Select Amazon Alexa or Google Assistant and follow the linking instructions.
- Once linked, you can use voice commands (e.g., "Alexa, show me the front door camera") to view your camera feed on compatible smart displays.

# 6. MAINTENANCE

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## 6.1. Cleaning

- Ensure the camera is powered off before cleaning.
- Use a soft, dry cloth to wipe the camera body.
- For the lens, use a specialized lens cleaning cloth to avoid scratches. Do not use harsh chemicals or abrasive cleaners.

## 6.2. Environmental Considerations

- While the camera is IP65 weatherproof, avoid submerging it in water.
- Ensure the operating temperature and humidity remain within the specified ranges (-4°F to 140°F / -20°C to 60°C and 10% ~ 95% non-condensing).

# 7. TROUBLESHOOTING

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## 7.1. Camera Not Powering On

- Check if the power adapter is securely connected to both the camera and the power outlet.
- Verify that the power outlet is functional.

## 7.2. Unable to Connect to Wi-Fi

- Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz Wi-Fi.
- Check your Wi-Fi password for accuracy.
- Move the camera closer to your Wi-Fi router to improve signal strength.
- Restart your router and the camera.

## 7.3. No Motion Detection or Recording

- Verify that motion detection is enabled in the app settings.
- Adjust motion detection sensitivity.
- Ensure the TF card is correctly inserted and formatted (if using local storage).
- Check your cloud storage subscription status if using cloud recording.

## 7.4. Two-Way Audio Issues

- Ensure your phone's volume is up and the microphone is not muted in the app.
- Check the camera's volume settings in the app.
- Ensure there is no obstruction blocking the camera's microphone or speaker.

## 7.5. SD Card Falls Inside Camera

- There is a slot on the bottom of the camera that is NOT for the SD card. Inserting an SD card into this slot will cause it to fall inside.
- Always refer to the product diagram or specific instructions for the correct TF card slot location. If a card has fallen inside, professional assistance may be required to retrieve it.

# 8. SPECIFICATIONS

Feature	Detail
Model Name	K16-2
Brand	ARPHA
Indoor/Outdoor Usage	Indoor, Outdoor
Connectivity Technology	Wired (Power), Wi-Fi (Data)
Connectivity Protocol	Wi-Fi (2.4GHz only)
Video Capture Resolution	2MP (Full Color), 4K (Output Resolution)
Special Feature	2-Way Audio, AI Detection (Human, Vehicle, Pet), Pan/Tilt (280° H, 155° V), 169° Ultra Wide Angle
Power Source	Corded Electric

Controller Type	Amazon Alexa, Google Assistant
Mounting Type	Tabletop Mount (also suitable for wall/ceiling mounting)
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Waterproof Rating	IP65
Storage Options	TF Card (up to 128GB), Cloud Storage
Product Dimensions	1 x 1 x 1 inches
Item Weight	1 Pounds

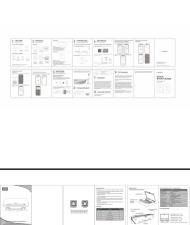
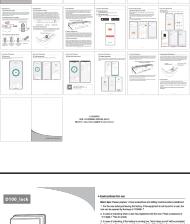
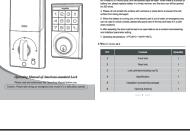
## 9. WARRANTY AND SUPPORT

ARPHA products are designed for reliability and performance. For any technical assistance, warranty inquiries, or support needs, please contact ARPHA customer service. Details for contacting support are typically available on the ARPHA official website or within the product packaging.

Please retain your proof of purchase for warranty claims.

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## Related Documents

	<p><a href="#">Arpha K06 Wireless Home Security Camera User Manual</a></p> <p>Comprehensive user manual for the Arpha K06 Wireless Home Security Camera, covering setup, installation, product overview, and important disclaimers. Learn how to connect your camera and secure your home with detailed instructions.</p>
	<p><a href="#">Arpha Home Camera Kit EC-21BS-04 Quick Start Guide</a></p> <p>A quick start guide for the Arpha Home Camera Kit, including the BS-04 2.4G Wi-Fi Home Base and EC-20 2.4G Wi-Fi Battery Camera. This guide covers setup, product overview, connecting the HomeBase, system setup, mounting the camera, charging, and FCC warnings.</p>
	<p><a href="#">Arpha D700 Smart Safe Box Operating Manual   Fingerprint, Password, App Access</a></p> <p>Comprehensive operating manual for the Arpha D700 Smart Safe Box. Learn how to install, set up, unlock using fingerprint, password, or the Tuya Smart App, and manage settings.</p>
	<p><a href="#">Arpha D100 Smart Lock: Operating Manual and Installation Guide</a></p> <p>Comprehensive operating manual and installation guide for the Arpha D100 smart door lock, covering features, specifications, setup, and usage.</p>

