

TKMARS 24A09001

TKMARS 4K Action Camera Model 24A09001 User Manual

INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your TKMARS 4K Action Camera Model 24A09001. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your user experience. Keep this manual for future reference.

PRODUCT OVERVIEW

Key Features

- **4K Video Quality:** Capture high-resolution video.
- **Wi-Fi Connectivity:** Real-time monitoring and file transfer via the 'Viidure' app.
- **170° Wide-Angle Lens:** Provides an expansive field of view without distortion.
- **180° Rotatable Lens:** Adjust the recording angle for versatile shooting.
- **Loop Recording:** Continuous recording with automatic overwriting of older files.
- **Night Vision:** Equipped with 4 infrared lights for clear recording in low-light conditions.
- **Long Battery Life:** Integrated 1400mAh battery for extended use (approximately 5-6 hours).
- **One-Touch Operation:** Separate buttons for video recording and photo capture.
- **Multifunction Back Clip:** Features a clip-on design, 1/4" screw connection, and magnetic adsorption for various mounting options.
- **Compact and Portable:** Small size (12.6 x 7.9 x 5.5 cm) and lightweight (120g) for easy carrying.
- **1.5-inch Screen:** For viewing and menu navigation.

Camera Components

Familiarize yourself with the physical layout and controls of your TKMARS 4K Action Camera.



Image: Front and side view of the TKMARS 4K Action Camera, highlighting its compact design and screen.

One-click recording, it only takes one second

A recorder that can be used as a voice recorder, which can be gently pushed in special and emergency situations to complete the task of recording and recording



Image: Side view of the camera illustrating the one-click recording slider (push up for recording, push down for hold) and other controls like image rotation and night mode buttons.

SETUP

Charging the Battery

The camera is equipped with a 1400mAh rechargeable battery. To charge, connect the camera to a power source (e.g., computer USB port, USB wall adapter) using the provided USB charging cable. The charging indicator will show the charging status.

Inserting a Micro SD Card

A Micro SD card (not included) is required for storing recordings and photos. The camera supports Micro SD cards with capacities from 8GB to 128GB. Ensure the card is formatted correctly (FAT32 recommended). Gently insert the Micro SD card into the designated slot until it clicks into place. To remove, push the card in slightly until it springs out.

Powering On/Off

To power on the camera, press and hold the power button located on the device. To power off, press and hold the power button again until the device shuts down.

OPERATING INSTRUCTIONS

Video Recording

To initiate video recording, slide the dedicated recording switch upwards. The camera will begin recording immediately. To stop recording, slide the switch downwards. The recorded video files are saved to the Micro SD card.

Photo Capture

To take a still photograph, press the dedicated photo button. The camera will capture an image and save it to the Micro SD card.

Loop Recording

The loop recording feature allows the camera to record continuously. When the Micro SD card's storage is full, the oldest video files will be automatically overwritten by new recordings. This function can be configured for intervals of 3, 5, 10, or 15 minutes through the camera's settings menu.

Loop video

Loop recording starts, the recorder can achieve uninterrupted recording, and the previous video file will be overwritten in stages after the recording is full



Image: Diagram illustrating how loop recording works, with older footage being replaced by new footage once the storage limit is reached.

Night Vision

The camera is equipped with infrared night vision capabilities, utilizing 4 infrared lights to enhance visibility and capture clear video in low-light or dark environments. Activate this feature via the camera's menu or a dedicated button if available.

Lens Rotation

The camera features a 180-degree rotatable lens, allowing you to adjust the recording angle manually to suit

various shooting scenarios and perspectives.

180° rotatable lens

The 180-degree rotatable lens provides a wide view of the camera



Image: Visual representation of the camera's lens rotating 180 degrees, indicating its flexibility in capturing different angles.

Wide-Angle View

The 170-degree wide-angle lens captures a broad and undistorted view, providing more visual details and an immersive recording experience. This is ideal for capturing landscapes or group shots.

170° wide angle

The 170° wide-angle recording of the complete picture is wide and undistorted, presenting more picture details without distortion, and the visual experience is shocking

Wide-angle 170° frame



Image: A comparison showing the expanded field of view provided by the 170-degree wide-angle lens compared to a standard phone screen.

Wi-Fi Connection and App Usage

The camera generates a Wi-Fi hotspot for wireless connectivity. To connect, download the 'Viidure' application on your smartphone or tablet. Enable Wi-Fi on your mobile device and connect to the camera's Wi-Fi network. Once connected, you can use the app to view live video, play back recorded footage, and download files directly to your mobile device.

Mobile phone WIFI interconnection

The recorder comes with WIFI, and the mobile phone can open the recorder APP and connect to the recorder WIFI to view the playback video in real time, download and play it back to the mobile phone



Image: Depiction of the camera wirelessly connected to a smartphone, showing real-time video streaming from the camera to the phone.

Multifunction Back Clip

The camera is designed with a versatile back clip that offers multiple mounting options. It features a sturdy clip-on design for attaching to clothing or gear, a standard 1/4" screw connection for compatibility with tripods and other camera mounts, and magnetic adsorption for securing to metallic surfaces.

Multi-functional small back clip

The small size of the back clip design makes it sturdy to wear without falling off



Clip-on design fastening

It is sturdy to wear and is not easy to fall off in a variety of occasions



Standard 1/4" screw connection

It can be adapted to a variety of tripod camera fixing brackets, etc



Magnetic adsorption function

Magnets are included, which is convenient for multi-scene needs



Image: Close-up views of the camera's back clip, highlighting its clip-on mechanism, 1/4" screw thread, and magnetic feature.

MAINTENANCE

Cleaning

To maintain optimal performance, regularly clean your camera. Use a soft, dry, lint-free cloth to wipe the camera body. For the lens, use a specialized lens cleaning cloth and solution if necessary, avoiding harsh chemicals or abrasive materials that could scratch the lens surface.

Storage

When not in use, store the camera in a cool, dry place, away from direct sunlight, extreme temperatures, and high humidity. Remove the Micro SD card if storing for extended periods. Ensure the battery is partially charged (around 50%) before long-term storage to preserve battery health.

TROUBLESHOOTING

Micro SD Card Not Recognized

- Ensure the Micro SD card is inserted correctly and fully into the slot.
- Verify that the card capacity is between 8GB and 128GB.
- Try formatting the Micro SD card using the camera's settings menu (if available) or on a computer.
- Test with a different, known-good Micro SD card to rule out card issues.

Wi-Fi Connection Issues

- Ensure the 'Viidure' app is installed and updated on your mobile device.
- Confirm that the camera's Wi-Fi hotspot is activated.
- Check that your mobile device is connected to the camera's specific Wi-Fi network.
- Restart both the camera and your mobile device, then attempt to reconnect.

Short Battery Life

- Ensure the battery is fully charged before each use.
- Battery life can vary based on recording resolution (4K consumes more power), Wi-Fi usage, and environmental temperature.
- Reduce screen brightness or turn off the screen when not actively viewing to conserve power.

SPECIFICATIONS

Feature	Specification
Brand	TKMARS
Model Number	24A09001
Screen Size	1.5 inches
Video Resolution	4K/2K/1080P
Video Format	AVI
Photo Format	JPG

Image Ratio	16:9
Lens Angle	170° Wide Angle
Lens Rotation	180°
Battery Capacity	1400 mAh
Micro SD Card Support	8GB to 128GB (not included)
Loop Recording Intervals	3/5/10/15 minutes
Connectivity	Wi-Fi, USB
Special Features	Night Vision, Motion Detection
Supported Languages	English, French, German, Portuguese, Spanish, Dutch
Image Stabilization	No
Water Resistance	Not waterproof

PACKAGE CONTENTS

The following items are included in your TKMARS 4K Action Camera package:

- 1 x TKMARS Mini WiFi Camera
- 1 x User Manual
- 1 x Charging Cable

WARRANTY AND SUPPORT

For warranty information, technical assistance, or customer support, please refer to the documentation provided with your purchase or contact TKMARS customer service through their official channels. Keep your proof of purchase for warranty claims.