



R3 MOTORCYCLE HELMET CAMERA

USER MANUAL



Product Introduction

This manual provides detailed information on how to use the machine, including operation, installation notes, and technical specifications. Please read this manual carefully before use and keep it in a safe place. We hope this product meets your needs and provides the best service in the long run. Thank you for your purchase. The product appearance and accessories are subject to the actual product.

If you have any questions, please contact us via the after-sales email. We will do our best to assist you.



Function Description



Wind-resistant, streamlined shape/shock-resistant design

Advanced shock-resistant design maintains image stability at high shooting speeds. With sharper pixels, a lighter body, optimized aerodynamics and innovative technology it's the most athletic, fastest and sensual car camcorder ever.



Mini and lightweight

The camera's ultra-compact size, multiple outdoor mounts, and simple one-button operation make it easy to use in various situations. Even during high-speed outdoor action, you can easily record high-definition videos and capture important moments with ultra-clear images.



Ultra clear recording

The camera features a 120° wide-angle lens with a high pixel recording quality of HD 1080P (1920x1080). It also includes patented low-light technology and an advanced shock-resistant design for optimal high-speed daytime and nighttime shooting results.



Built-in 750 mAh lithium-ion battery

Built-in high-performance rechargeable lithium-ion battery that lasts for about 1 hour of HD quality recording. (Each lithium-ion battery has different storage characteristics, so the recording time may vary slightly.) In case of a sudden power failure, it can automatically save the last file and turn off the camera automatically.



SD Card

Supports high-capacity Micro SD / Micro SDHC memory cards up to 128GB, and is highly recommended to use a well-known brand of memory card.



Night vision capabilities

Equipped with a large F1.8 aperture, 6 sets of all-glass spherical lenses to increase light transmittance and reduce reflectivity, and a SONY 1/2.8-inch CMOS sensor. These features allow for high-quality images even in low-light conditions, such as night scenes or cloudy days.



Seamless loop recording

Adjustable recording time of 2 minutes, 3 minutes, 5 minutes. Unique seamless loop recording ensures that every second of recording is preserved.



Multi-functionality

With several different function brackets, the camera can be fixed on various objects for recording, fully demonstrating the high flexibility of use. With the exclusive water proof USB kit for recording while charging, the machine can be easily used for long-time outdoor recording even in rainy days.



Auto Loop Recording

Recording is uninterrupted. When the SD card is full, it will automatically overwrite the old files.



Built-in WIFI backup

After connecting through the exclusive APP, you can instantly watch the camera screen and manually backup and setup, without inserting or removing the memory card, you can format the memory card directly on your phone.

Package List



R3



Fixed base



Helmet bracket kit



Waterproof charging cable



Handlebar mounting bracket



Data Cables



3M Fixing Adhesive



Velcro

1. R3
2. Fixed base
3. Helmet bracket kit
4. Waterproof charging cable
5. Handlebar mounting bracket
6. Data Cables
7. 3M Fixing Adhesive
8. Velcro

Installation Methods

Memory card installation method

Open the back cover and insert the card with the text portion facing up.

Helmet Bracket Installation Method



1. Press the mounting base firmly onto the bottom of the R3 so that the R3 is tightly seated against the base.



2. Press the two parts in the helmet bracket kit into place by aligning the grooves as shown.



3. Tighten the screws in the holes.



4. Insert the assembled bracket parallel to the base.



5. Attach the 3M fixing adhesive to the base.



6. Align the bracket with the holes in the R3 mounting base and tighten, then peel off the 3M adhesive cover film to stick it to the helmet.

Handlebar Bracket Installation Method



1. Press the mounting base firmly onto the bottom of the R3 so that the R3 is tightly seated against the base.



2. Align the bracket with the holes in the R3 mounting base and tighten it to complete the installation, then you can snap it onto the handlebar.

Velcro Installation Method



1. Wipe the spot where you want to mount the R3 and attach the velcro to it.



2. Align the bottom of the R3 with the velcro and press firmly to complete the installation.

Product Introduction Diagram



Operation of Recording Functions

Please insert the memory card first. Make sure the device is turned off before inserting the memory card.

- 1) **Power On:** Long press the power button for 3 seconds, until the video recording indicator red light is on and flashing regularly.
- 2) **Turn on WIFI:** Under the power-on state, short press the power button once, the device will enter the pause recording state, and will turn on the WIFI, at this time the indicator blue light flashes regularly.
- 3) **Connect to cell phone:** Open WIFI in the settings of cell phone, select "TNICER_R3_XXXXXX" in the list to connect, enter the password."12345678" to complete the connection. After successful connection, the device indicator light will be on, and then you can open the camera APP.
- 4) **APP operation:** Press the start recording button in APP, the device will start recording and turn off WIFI after 5 seconds.

Shutdown: Long press the power button for 3 seconds to shutdown the device in any power-on state.

Note:

If you are using a memory card that already has files stored on it, you need to format the card and make sure there are no files in other formats before using it on the R3, otherwise the file format will make it impossible to turn on the computer and record video.

Introduction of Video Application Usage

Scan the QR code below to download the "AVDEO" APP to your cell phone (iOS users can directly search "AVDEO" in the App Store to download).



Tips:

1. The video recording function of R3 does not need to rely on the APP to use.
2. The APP is only used for online preview or to download the videos recorded by R3 to the mobile phone.
The functions of the APP itself do not represent the functions of R3, the specific situation shall prevail.
3. The following recommended APP is a public version produced by a third-party company and it is not TNICER's product. The third party reserves the right of interpretation. Issues about after-sales of the APP or about compatibility between the APP and mobile phone are not covered by TNICER's after-sales guaranteed area.

After the R3 is connected to WIFI, enter the APP, click on the upper right corner  to enter the dash cam setting.

"AVDEO" APP Introduction and Operation



1) **Video Resolution:** Recording resolution can be selected from FHD P30 / HD P30.

2) **Brightness:** Select the sensor brightness. -1 is the darkest, +1 is the brightest.

3) **Loop Recording:** The length of a single recording file can be set to 2min/3min/5min.

4) **Event Lock:** The degree of crash sensing sensitivity when a crash occurs during recording (low-mid-high).

5) **SD Fomat:** After selecting this option, you can choose whether to format or not according to the pop-up window.

6) Option to export video files to MP4 or TS format.

Using the waterproof charging cable

The device can synchronize charging and recording when using the waterproof charging cable. When you don't need to record, just turn off the power to stop recording and save the file.

Trouble Shooting

Position	Possible Causes	Solution
Unable to turn on the device	Insufficient power	Charge the device.
Device cannot be operated	The system has stopped running	Press the reset hole with ejection pin and turn on the device.
Red and blue lights flash rapidly	Insufficient power	Charge the device.
Green light flashes 3 times and then power off	Memory card format error	Formatting the memory card
Computer can't recognize the device	Defective data cable	Replace data cable
	Computer BIOS Disable	Turn BIOS Enabled
	Device not powered on	Turn on the device
	Computer's USB port defective	Try another USB port
Red light is off, green light is flashing fast	Memory card not installed	Insert memory card

Product Specification

Main Chip DSP	Nt96675 640MHz CPU
Sensor	Sony 1/2.9 in CMOS
Lens Angle	120°/6G/1.8 aperture
Recording Resolution /Frame Rate	1920*1080P/30FPS
	1280*720P/30FPS
Compression	H.264/H.265
Video File Format	MP4/TS
G-Sensor	Built-in Emergency Recording & Sensitivity 16-position Adjustment
Storage Method	Max 64G Micro SD/Class 10
External Power Input	DC IN: 5V
Recording Audio	Mono Channel
Battery Specifications	3.7V/750mAh
Recording Time	1920*1080P/30FPS 180min(+/-10%)
	1280*720P/30FPS 180min(+/-10%)
Waterproof rating	IPX6
External Dimension	90*36*27mm
Unit Weight	60g±5
Working Temperature	-10°C to +60°C
Storage Temperature	-20°C to +70°C
Battery Playback Software	GOM Player,KM Player,Media Player

It is recommended to use at least 16G SD card (32G/64G is preferred) with Class 10 or above speed.

Operation of Recording Functions

- 1) Please avoid water damage to the camcorder. The back cover of the case is a waterproof barrier material that protects your camcorder in wet environments. Please keep the back cover of the case clean. If you want to clean the rear cover, please scrub it with a damp towel.
- 2) This product is shockproof but not drop-resistant, do not let the camcorder suffered a high impact, the machine accidentally dropped may cause the lens out of position and the image blurred; or the internal board parts loose.
- 3) It is strongly recommended that after outdoor use, please remove the camera from the bracket, use a clean soft cloth to wipe the camera clean and open the back cover and place it in a well-ventilated area to avoid prolonged outdoor exposure to the sun. PS: Please do not open the back cover of the camera when the exterior of the machine is wet to avoid rainwater from entering the interior of the machine. The internal waterproof sticker will be discolored by moisture and will be judged as improper use.
- 4) When the transparent lens in front of the lens is dirty, please rinse it with water and wipe it with a clean soft cloth, do not use organic solvents such as alcohol to wipe it.
- 5) When inserting or removing the Micro SD / Micro SDHC card, please make sure that the power has been turned off, otherwise the card may be damaged; when inserting the card, please insert the card horizontally and gently, inserting the card in a crooked position may cause damage to the slot of the card and prevent it from reading the data.

- 6) When the camera sends data to the computer, please do not interrupt the data cable to cause the loss of device data.
- 7) When using the Velcro mounting method, please wipe the mounting position with alcohol cotton pads before pasting.
- 8) Do not use non-original data cable (and home direct charger). The use of non-original data cable may cause the memory card can not be read; the use of non-original charging accessories may cause abnormal operation of the device.
- 9) The operating temperature of the camera is -10 degrees Celsius to +60 degrees Celsius. Do not place the device alone in a high-temperature environment, so as not to cause wear and tear of the electronic components in the device and lithium battery life decline.



More installation and operation videos are available on our official Youtube channel.



YouTube channel: TNICER

After-sales service email:

tnicerservice@tognicer.com

If you have any questions, please feel free to contact us through the after-sales mailbox.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.



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