

tonto
dashcam

User Manual

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Box Contents



tonto Camera



GPS Suction Cup
Mount



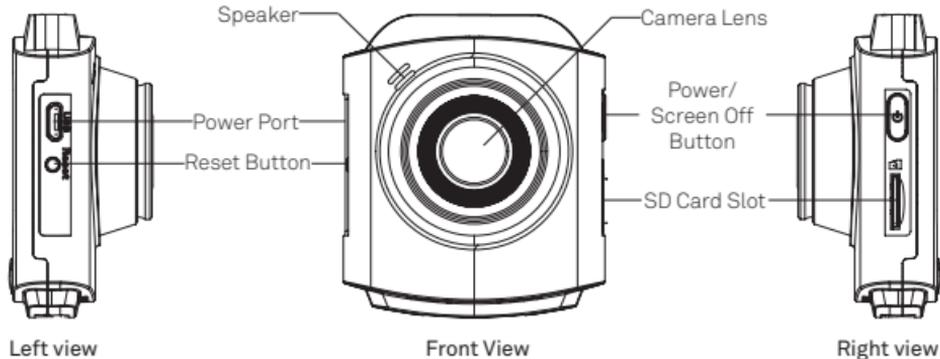
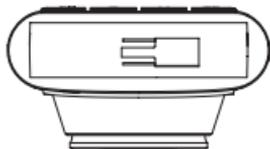
Car Power Adapter



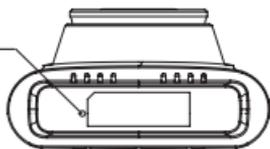
Charging Cable

Camera Overview

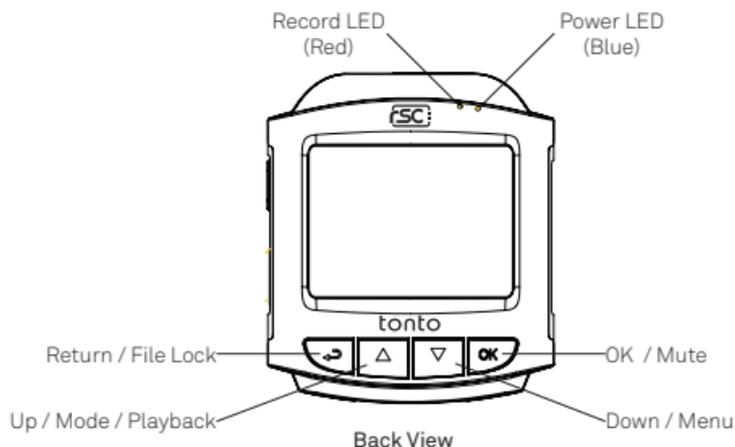
Top View



Microphone



Bottom View



LED Status

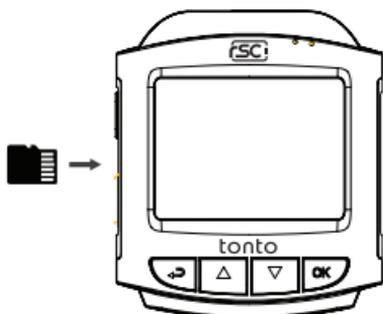
LED	Activity	Status
Record LED (Red)	Solid Red	Not Recording
	Flashing Red	Video Recording
Power LED (Blue)	Solid Blue	Power connected. Charging Battery.
	Off	Battery not charging.

Installation

1. Insert memory card

Insert a microSD memory card into the memory card slot located at the left side of the LCD screen. Be aware of the orientation shown in the picture below (Electrical contacts of the memory card should be facing the LCD display side of the camera, with the notches of microSD card facing up.) When the memory card is successfully inserted, you will hear a 'clicking' sound.

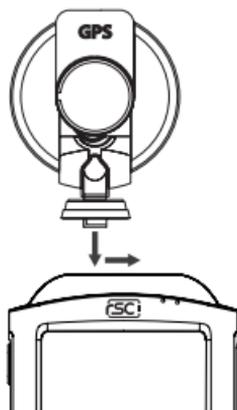
A Class 10, 8GB or above microSD memory card is required. The camera supports up to 128GB of memory capacity. (Memory card not included.)



2. Attach mount to camera

Align the mount with the mounting groove located at the top of the camera, slot into the groove, and slide it to the right.

After the mount is secured into place, plug in the short microUSB cable from the mount into the power port of the camera.



3. Remove Lens Protection Film

Before installing the camera onto the windshield, remove the Protection film from the camera lens. For best results, please try to avoid touching the camera lens with fingers, as fingerprints and/or oil may degrade image quality.

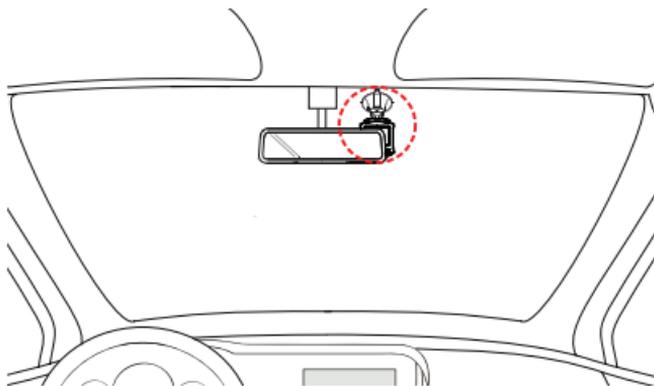


4. Installing the camera

Locate a suitable place on your windshield to install the camera. We recommend placing the camera behind the rear view mirror without obstructing your view when driving.

Clean the windshield using water or alcohol, and wipe clean with a lint-free cloth.

Install the suction mount to the windshield, and rotate the locking bar on the mount upward 90 degrees till it clicks, then the camera is mounted on the windshield securely.



5. Connect the power cable

Connect the microUSB Cable end of the Charging Cable into the Suction Cup Mount's GPS module. Carefully route the power cable around the windshield and tuck the wire under the trim. When complete, insert the Car Charger into your vehicle's cigarette lighter port.



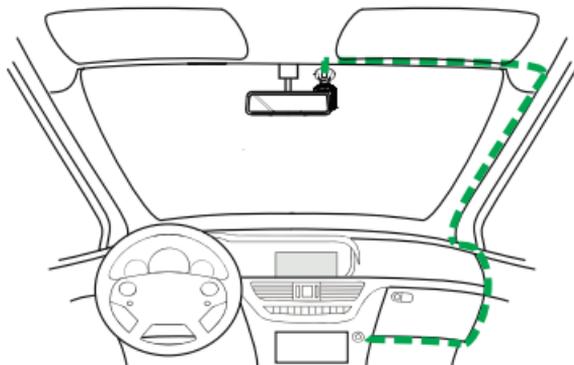
6. Adjust Camera Angle

Power on the camera by starting your vehicle. The camera will automatically power on upon receiving power from the cigarette lighter port. After the initial setup, use the live view on the LCD screen to adjust the camera angle.



7. Organize the wiring

Hide the power cable by tucking the cable into the space between the seams of the vehicle headliner and the top of the windshield. Route the cable down from the side of the windshield



Camera Operation

Button usage and operation

The camera is primarily operated and controlled using buttons located at the bottom of the camera. Depending on the current mode of operation, the functions of the button will change accordingly. Listed below is a chart of how each button operates in different camera modes.

Video Recording Mode

Button	Action
	Manual File Lock
	Switch to Photo/Playback Mode
	Access Settings Menu
OK	Enable/Disable Audio



Photo Mode

Button	Action
	Return to Video Recording
	Access Video Playback
	Access Settings Menu
OK	Take Photo



Video Playback Mode

Button	Action
	Back
	Delete Video / Rewind
	Lock/Unlock Video / Fast Forward
OK	Play/Pause



Settings Menu

Button	Action
	Manual File Lock
	Switch to Photo Mode
	Access Settings Menu
OK	Enable/Disable Audio



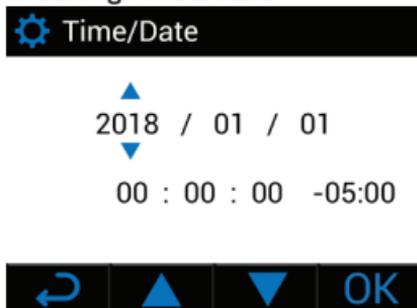
Initial Camera Setup

Upon powering up the camera for the first time, you will need to complete the initial setup process.

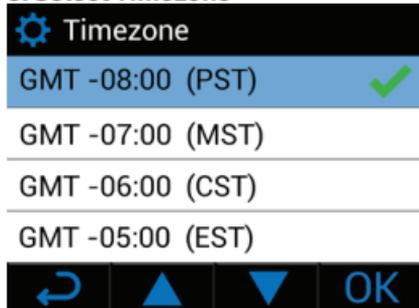
1. Select a Language



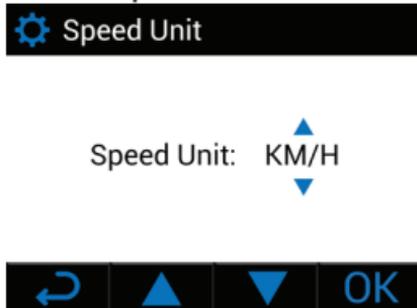
2. Setting Time & Date



3. Select Timezone



4. Select Speed Unit



Upon completion of initial setup, the camera will enter normal video recording mode.



Using the camera

Powering On / Off

The camera is designed to automatically power on when it receives power from the car power adapter. A start-up sound will be played when the camera has started successfully.

Automatic: When the camera is ON, simply turn OFF the engine or unplug the power cable and the camera will switch OFF automatically.

Manual: Switching the camera OFF manually is required for vehicles where the vehicle's power socket provides continuous power after the engine is turned OFF. To turn the power off manually, press and hold the power button for at least 3 seconds. A Countdown will display on the screen. Press and hold the power button until the camera is powered off.

To turn the camera on manually, press and hold the power button for at least 3 seconds.

Loop Recording

Default: 3 Minutes

The loop recording function allows the camera to continuously record video footage on your memory card. When there is insufficient space on the memory card, loop recording will automatically overwrite the oldest non-protected file on the memory card, and replace with a new recording.

The available settings of 3/5/10 minutes allows you to choose how long to record for each video file.

Emergency file protection

Default: Low

When the G-sensor is activated due to a collision, the footage currently recorded will be automatically locked to avoid being overwritten by loop recording. Adjust the G-sensor level of the camera to the appropriate setting based on your driving area.

Parking Surveillance Mode

Default: Off

When Parking Mode has been turned on, the Dash Cam enters standby mode when the vehicle has been turned OFF (typically removing your ignition key). Should physical movement of the vehicle be detected, the Dash Cam will power on and start recording a 30 second protected video. If no further physical movement is detected then the camera will return to standby mode, if physical movement is detected subsequently, then the camera will continue to record normally, i.e. driving once more.

Enable Screen Saver Manually

To manually enable screen saver, press the Power button once, and the screen will turn off, while the camera is still recording video. Press any button on the camera to deactivate Screen Saver.

Enable/Disable Audio Recording

Audio recording can be enabled/disabled by pressing the "OK" button while the camera is in video recording mode. An icon with a disabled microphone will appear at the top of the screen, confirming audio recording has been disabled.

Retrieving your videos

Retrieving using a PC/Mac:

Connect the camera to a computer using a micro USB cable (Cable not included). The camera will automatically turn on, and the computer will detect a "removable disk", similar to connecting a USB Flash Drive on your computer.

Navigate to the corresponding folder to access video recordings;

Recording Type	Folder Location
Normal Recording	\VIDEO
Emergency Protected	\EMERGENCY
Photo Snapshot	\PHOTO

Firmware Upgrade

Step 1: Download latest firmware from our official website, unzip the file.

Step 2: Copy & Paste or drag & drop the extracted .bin file to the root of the Micro SD card.

Step 3: Insert the Micro SD card into the camera's card slot once the transfer is completed.

Step 4: Connect the camera into a power source and then turn the camera ON.

Step 5: The LED indicator will start flashing to confirm the update's progress.

Step 6: Once the upgrade is completed, the camera will automatically reboot.

Step 7: To verify the installed firmware version, access the 'Version' tab on the mobile app.

Step 8: Before using the camera, please reformat the memory card using the mobile app.

Please Note:

- To ensure a stable firmware upgrade, we recommend formatting the memory card prior to the upgrade process.
- DO NOT unplug or power-off the camera during a firmware upgrade process, as it may cause irreparable damage to the camera.

Camera Settings

Settings Menu

There are a total of 5 settings pages. These screens are numbered from 1 - 5. Each screen contains 4 settings. To change a setting, use the up/down arrow keys to navigate to the desired option, and press the OK button for selection. Please refer to examples shown below.

Settings 01/05

Resolution

Change video recording resolution
Default: 1920x1080P60

Loop recording

Change length of video segments
Default: 3 Minutes

Time/Date

Change Time and Date of camera

Microphone

Toggle Audio Recording
Default: On



Settings 02/05

Driving Safety

Toggle options such as Driver Fatigue Alarm, Headlight Reminder, and Overspeed.

Record Mode

Enable/Disable Motion Detection recording
Default: Off

Emergency File Protection

Change bump sensor sensitivity level
Default: Low

Video Stamp Settings

Toggle options for on-video stamps



Settings 03/05

Driver ID setting

Set customized text to display on video stamp

Exposure

Adjust exposure level for different light conditions
Default: 0

Button Beep

Enable/Disable audible beep sound when button is pressed

Screen Saver

Enable/Disable Screen Saver Mode
Default: Off



Camera Settings

Settings 04/05

Language

Change display language of the camera

Parking Surveillance Mode

Enable/Disable Parking Surveillance Mode **Default: Off**

WDR

Enable/Disable Wide Dynamic Range for enhanced video quality **Default: Off**

Format Memory Card

Erase all files stored on memory card



Settings 05/05

Format Reminder

Scheduled reminder to format memory card

Default Settings

Revert all settings to factory defaults

Firmware Version Info

Provides information on firmware currently installed in camera



Notice

FCC Statement

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.

Caution:

Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RSC Labs Inc. declares that this Radio-Frequency peripheral is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Warranty

This RSC product is warranted by RSC LABS to be free from defects in material and workmanship for one (1) year from the date of purchase. PROOF OF PURCHASE IS REQUIRED TO OBTAIN WARRANTY SERVICE.

During this period if this product is found to be defective in material or workmanship, RSC LABS or one of its authorized service facilities will at its option, either repair or replace this Product without charge, subject to the following conditions, limitations and exclusions:

1. This warranty extends to the original consumer purchaser only and is not assignable or transferable.
2. This warranty shall not apply to any Product which has been subjected to misuse, abuse, negligence, alteration or accident, or has had its serial number altered or removed.
3. This warranty does not apply to any defects or damage directly or indirectly caused by or resulting from the use of unauthorized replacement parts and/or service performed by unauthorized personnel.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE PROVIDED, HOWEVER, THAT IF THE DISCLAIMER OF IMPLIED WARRANTIES IS INEFFECTIVE UNDER APPLICABLE LAW, THE DURATION OF ANY IMPLIED WARRANTIES ARISING BY OPERATION OF LAW SHALL BE LIMITED TO ONE (1) YEAR FROM THE DATE OF PURCHASE OR SUCH LONGER PERIOD AS MAY BE REQUIRED BY APPLICABLE LAW.

UNDER NO CIRCUMSTANCES SHALL RSC LABS BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, DIRECT, INDIRECT, EXEMPLARY OR PUNITIVE DAMAGES RELATED TO OR ARISING OUT OF ANY BREACH OF THIS WARRANTY OR ANY OTHER CLAIM REGARDING THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF NEGLIGENCE, STRICT LIABILITY OR BREACH OF CONTRACT.

SOME PROVINCES/STATES DO NOT ALLOW (A) LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR (B) THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Notice

In order to obtain performance of the warranty obligations, the original consumer purchaser must return this warranty form and this RSC LABS Product together with proof of purchase and proof of purchase date (Bill of sale) either in person or addressed to the appropriate Service Department of RSC LABS for your product.

For dash cameras and accessories requiring repair service, please contact the RSC LABS Service Department of your designated country using the phone or email contacts listed in the contact section below. Please do not mail your equipment before receiving a RMA number.

In returning this Product for repair or replacement under this warranty, the original consumer purchaser must prepay all postage, shipping transportation, insurance and delivery costs, and the Product must be delivered in either in its original carton or a similar package affording an equal degree of protection. RSC LABS will not be responsible for any loss or damage incurred in connection with the return of this Product.

Contact

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