



D016

USER MANUAL



Please Read Before Use:

- Please install the device properly. Avoid placing it where it may obstruct your view or interfere with airbag deployment.
- Avoid prolonged exposure to direct sunlight. Extended exposure to high temperatures may affect the device's performance or lifespan.
- Use a U3/Class 10 Micro SD card (8GB–512GB). Please format the card before first use.
- When storage is full, the device will automatically overwrite the oldest video through loop recording. Be sure to back up important footage in time.
- Do not insert or remove the memory card while the device is operating, as this may cause data loss or damage.
- Use the included cloth or a soft damp cloth to gently clean the lens. Avoid scratching the surface.
- The device may heat up during operation. Its normal working temperature range is -4°F to 158°F (-20°C to 70°C). Do not touch the device during operation to avoid burns.
- Do not attempt to disassemble or repair the device yourself. If you have any questions, please contact customer service or a qualified technician.

 **The D016 dash cam supports 24-hour parking monitoring, allowing continuous recording in parking mode. It also features time-lapse recording. A dedicated hardwire kit (sold separately) is required.**

- ◆Dual 4K ultra HD TS stream recording with instant saving — no data loss.
- ◆2.5D full-lamination screen technology for clearer, more vibrant image quality.
- ◆Ethernet backend, extremely fast data transmission, preview image display without delay.
- ◆Built-in 3-axis G-sensor automatically locks files when a collision or unexpected event is detected.
- ◆Collision detection: when parked, the device powers on and starts recording upon sensing vibration.
- ◆Time-lapse recording: compressed surveillance mode for 24/7 protection of your vehicle.
- ◆Smartphone Wi-Fi connectivity lets you share your journey anytime, anywhere.
- ◆5G Wi-Fi ensures lightning-fast data transmission.
- ◆Built-in GPS for real-time tracking of your driving route.



Main Unit ×1
(Built-in 128GB Memory Card)



GPS Suction Mount ×1



Car Charger ×1



Rear Camera Cable ×1



User Manual ×1



Cable Clips ×5



Rear Camera ×1



Quick Installation Guide ×1



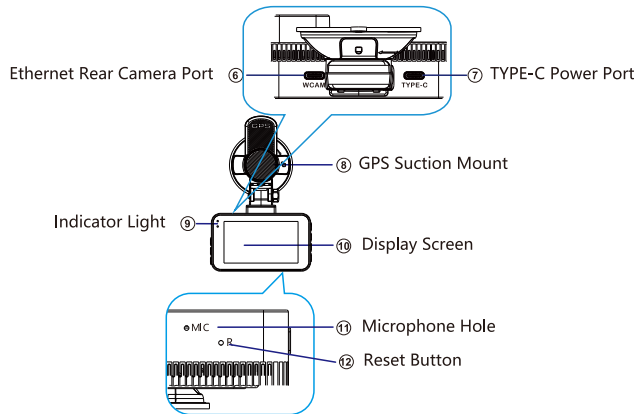
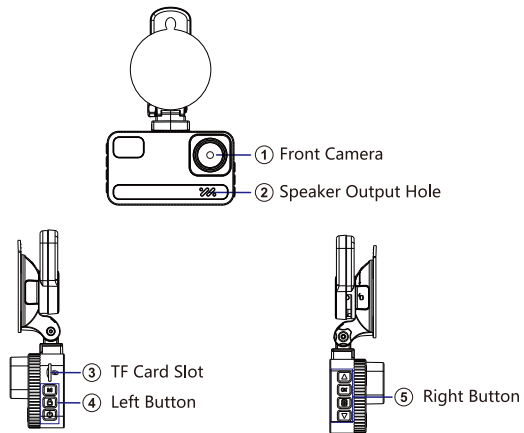
Pry Tool ×1



Color Box ×1



ESD Cleanroom Wiper ×1





3-inch 2.5D full-lamination display



Front and rear dual 4K ultra-high definition 3840x2160P



Front camera with 120° ultra-wide viewing angle



Loop and time-lapse recording modes



Supports up to 8-512GB microSD Card
(Class 10, U3 Speed Only-Not Included)



USB Type-C Input/Output



Remote Firmware Updates using iOS/Android
TERUNSOUL Dash Cam APP



Built-In 2.4G&5G



Front lens F1.8 large aperture
Rear lens F1.6 ultra-large aperture



24-hour parking monitoring
(TERUNSOUL power cable sold separately)



Equipped with GPS and
BeiDou dual-system navigation module.



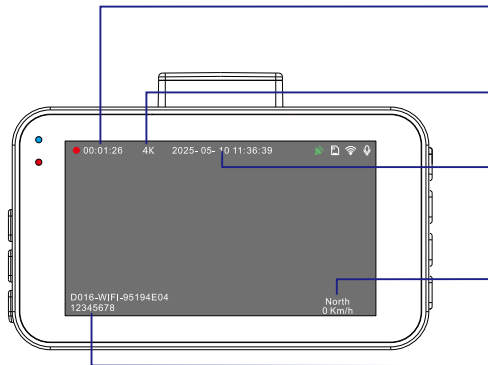
Built-in 3-axis sensor.



DC 5V/3A



Operating Temperature: -20°C to 70°C



Recording Icon: Only visible when recording is in progress, displaying the duration of the current video clip. The dot indicates the following:

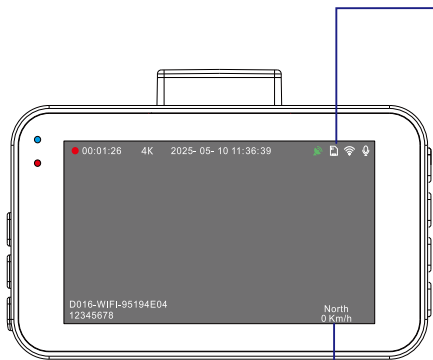
- Recording a regular video.
- Recording a locked (emergency) video

Resolution: Displays the current video recording resolution (can be adjusted in the settings menu).

Date & Time: Displays the current date and time based on the system time zone settings. Once GPS positioning is successful, the time will automatically sync. Time will also sync automatically when connected to a smartphone. Manual adjustment is also available in the settings menu.

Direction & Speed: Displayed only after successful satellite positioning.

Wi-Fi Information: Appears only when the Wi-Fi function is enabled. Displays the Wi-Fi name (SSID) and password. (You can modify the name and password in the settings menu after connecting to the device via smartphone. Restoring the device to factory settings will reset this information.)

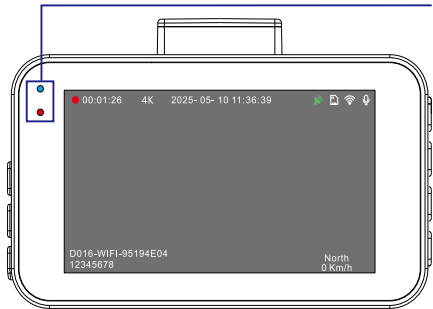


Status Bar: Displays the status of certain current functions:

-  GPS antenna connected; searching for satellites
-  Satellite positioning successful (Go to Settings > GPS Info to view current satellite signal strength). Use outdoors for best results—indoor signal may be too weak.
-  TF memory card detected
-  TF memory card not detected
-  Wi-Fi is on, but not connected to a phone (If no connection is made within 5 minutes, Wi-Fi will automatically turn off)
-  Once the phone is successfully connected via Wi-Fi, the device enters connection mode: physical buttons are disabled, and control is only available through the mobile app. After disconnecting, the dash cam functions will resume as normal. When connected, the Wi-Fi icon on the dash cam screen turns green, indicating a successful connection.
-  Audio recording is currently ON (Press and hold the Down button for 2 seconds to toggle audio recording ON/OFF)
-  Audio recording is currently OFF

Direction & Speed: Displayed only after successful satellite positioning.

Indicator Light



Indicator Light	Status	Device Status Description
Red Light	On	Device is connected to external power source
	Off	Device is not connected to external power source
Blue Light	On	Device recording is not started
	Flashing	Device is recording



Menu Button

- Press Once – to enter/exit settings menu
- Press Once – to go back to the previous screen (in menu mode)



Lock Button

- Press Once – lock/unlock video (while recording, indicator turns yellow when locked)
- Hold 1s – take photo



Power Button

- Press Once – turn screen off/on (while device is on)
- Hold 2s – power off/on (while device is on)



File Button

- Press Once – enter file management (recording mode)



Up Button

- Press Once – move up (in menu) / play previous video (in playback)
- Hold 2s – turn Wi-Fi on/off (in recording mode)



OK Button

- Press Once – Pause/Stop Recording
- Press Once – confirm/select (menu mode)



Down Button

- Press Once (Recording Interface) – switch front/rear camera, split screen mode, etc.
- Press Once (Menu Interface) – move down one line
- Press Once (Playback Interface) – play next video
- Press and Hold for 2 Seconds (Recording Interface) – enable/disable audio recording

WiFi

- Displays WiFi info and app download QR code.
- Press OK briefly to toggle WiFi on/off.

WiFi Band Selection

- Selectable 2.4G or 5G band, default is 5G.

Resolution

- Front and rear recording resolution selectable between 2K and 4K, default is 4K.

Recording Time

- Video segment length selectable: 1, 3, or 5 minutes, default is 1 minute.

Recording

- Can be turned on or off, default is on.

Pull Mirror Back

- Can be turned on or off, default is on.

Screen Saver

- Can be turned on or off; auto-off timer selectable at 1, 2, or 3 minutes, default is off.

Preview Mode

- Single front, single rear, or split-screen front/rear display; device remembers last used mode at startup.

Volume

- Low, medium, high volume levels or off; default is medium.

Gravity Sensing

- Can be turned on or off; sensitivity adjustable (low, medium, high); default is medium.

Collision Detection

- Can be turned on or off; sensitivity adjustable (low, medium, high); default is off.

Time-lapse Video Duration

- Can be turned on or off; duration is adjustable (12H, 24H, 72H); default is off.

Time-lapse Video

- Frame rate adjustable: (1fps / 2fps / 5fps); default is 1fps.

Language

- Supports 9 language options.

Time Settings

- Set time, date, and time format.

Time Zone

- Supports 41 time zones.

Daylight Saving Time

- Set the time forward one hour. Enabled by default.

GPS

- Shows GPS/BDS status (GPS by default), location and satellite signal. The icon will turn green and display real-time data (latitude, longitude and speed) only when the signal is successfully received outdoors.

Speed Unit

- Supports unit switching between mph and km/h, with MPH set as the default.

Format

- Clears TF card data and formats to.

Restore Factory Settings

- Resets all settings except date and time.

Firmware Version

- Displays current software version.

APP User Guide

Step 1: Download and Install

You can download the TERUNSOUL app in one of the following ways:

- Scan the QR code sticker on the dash cam itself.
- Search for "TERUNSOUL" in the Apple App Store or Google Play.
- Scan the QR code on the back of the product box.
- Scan the QR code below.



Step 1: Sign up for an account using your email.



Step 2: Add camera.



Step 3: Tap "Next"



Step 4: Select the Wi-Fi that starts with "D016-WIFI-" and enter the password: 12345678

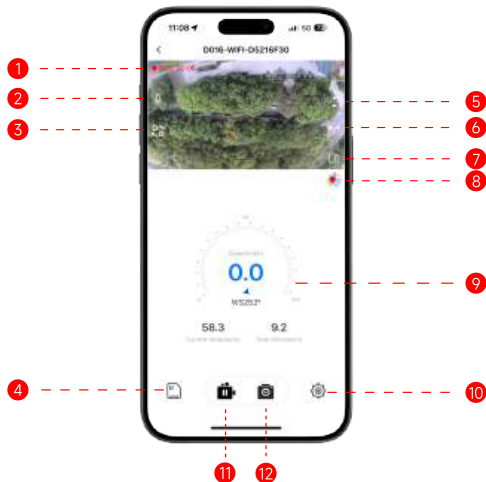


Step 5: Click on "Stay Connected".



Step 6: Enter the main interface of the APP





- 1 Video icon and recorded duration
- 2 Record audio on/off button
- 3 Switch recording screen
- 4 Playback and manage video, photo, and other files
(Click "Camera Files" on the home page to view all your videos and photos.
You can also delete or download files here.)
- 5 Flip the video if it appears upside down
- 6 Rotate the video screen left or right (The display is only shown when
switched to the rear camera.)
- 7 Full screen display
- 8 Map
- 9 GPS information
- 10 dash cam settings
- 11 Record start/pause button
- 12 Take pictures

App Usage Notes:

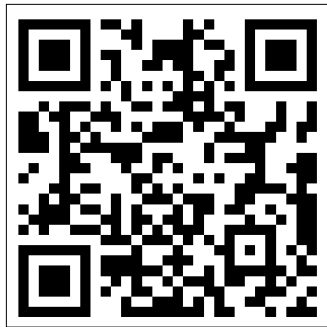
- To protect user privacy, the Terunsoul App requires users to register or log in with an email address before they can access and use the app.
- The App requires an Internet connection and must be paired with the dashcam to use its features and controls.
- APP does not support split-screen view: If the dash cam is in split-screen mode, the APP will only display separate front/rear camera feeds (no split-screen layout).
- Once the dash cam is successfully connected to the app, only the app can be used for operation—the dash cam itself cannot be operated at the same time.
- When connecting the dash cam for the first time, make sure your phone's Wi-Fi permissions are enabled and the app has the necessary access to ensure a stable connection and full functionality.

WARNING: After connecting one device, you must disconnect it before connecting another; otherwise, the new device won't be able to access the Wi-Fi.



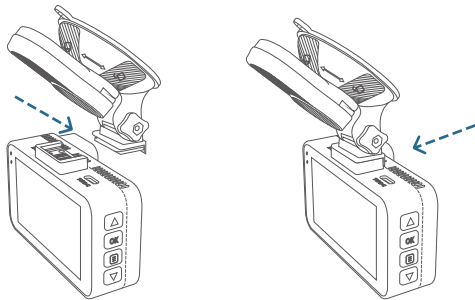
Step 1: Quick Start Guide for Terunsoul Dash Cam

- Turn off the car engine before installation.
- Perform a pre-installation test before final setup.
- Use a reputable U3 or higher speed MicroSD card (sold separately) to ensure smooth video recording.
- The dash cam comes with default factory settings and is ready to use.
- To ensure stable performance, format the memory card before first use.
- Make sure all cameras and cables are properly connected before powering on the screen to avoid malfunction.
- Scan the QR code to watch the installation tutorial video.



Step 2: Suction Cup Installation

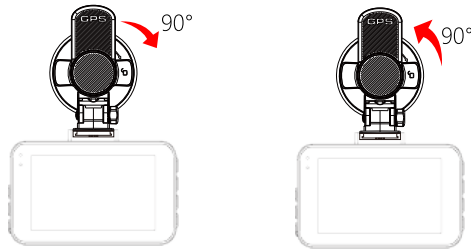
- Use the provided suction cup bracket for installation.
- Align the end of the suction cup with the mounting slot on the dashcam, then insert and slide into place.



Step 3: Install the Dash Cam

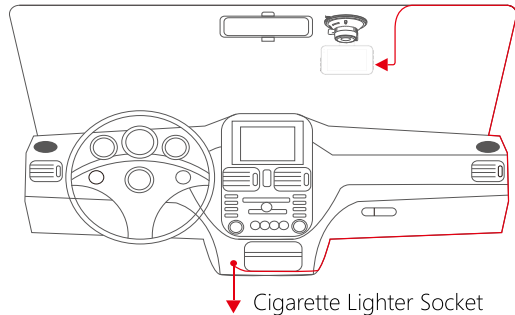
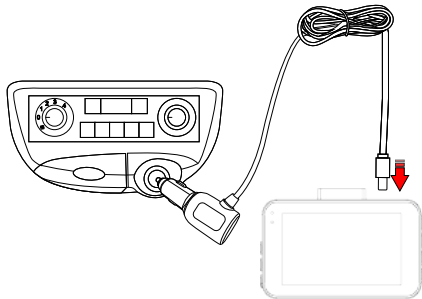
- Clean the windshield with the included cloth.
- Slide the suction cup latch to unlock and press it onto the windshield. Flip the latch to lock to ensure it is securely fastened.

Note: Make sure the suction cup is attached to a flat glass surface, otherwise it may fall off.



Step 3: Connect and Route the Power Cable

- Plug the car charger's Type-C connector into the camera's Type-C port, then insert the other end into the vehicle's cigarette lighter socket.
- Secure the car charger cable along the edge of the windshield for a cleaner look and to avoid obstruction.



Step 4: Adjust the Dash Cam Position

- Rotate the gear on the suction mount to adjust the dash cam angle for the best view.

Step 5: Start the Engine and Check the Dash Cam

- Start your vehicle to make sure the dash cam is properly installed and functioning.
Note: If installed correctly, the front status light will blink when recording begins.

Step 6: Connect the Rear Camera

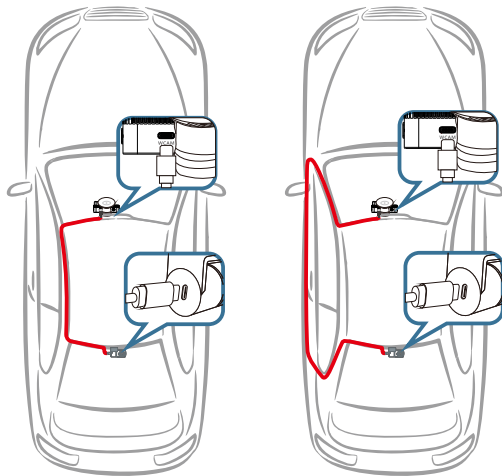
- Plug the rear camera's Type-C connector into the dash cam's WCAM port. Route the black cable through the back of the vehicle.



Note: Please use only TERUNSOUL's USB car charger, otherwise the camera may frequently restart or LCD flicker due to low battery.

Step 7: Install the Rear Camera

- Mount the rear camera securely at the back of your vehicle.
- Be sure to tuck the cable inside the trim and use the included cable clips for extra support, allowing you to manage the cable as needed and avoid obstructing the driver's view.



Step 8: Before checking that the dash cam is properly installed and working properly, start the vehicle's engine.



Note:

- Before recording a video, always remove the plastic lens screen protector on the lens. Otherwise, your video will appear blurry.
- Do not remove the microSD card while the camera is on. Otherwise, it may cause the card to be write-protected, resulting in data loss or damage to the card. Remove/insert the card only when the camera is off.



Warning:

After a test drive, check and make sure that all the videos are recorded correctly.

1. Device Won't Power On

- Ensure the vehicle's ACC is turned on. The device requires ACC to be active.
- Make sure the charging cable is securely connected to the device's designated Type-C port.
- Check if the car charger's indicator light is on:
 - If the light is off, the charger may not be plugged in properly, or its fuse may be blown. Consider replacing the charger.
- If using the parking monitoring hardwire kit:
 - Ensure the fork connector is inserted into the correct fuse slot.
 - Test for voltage output to confirm proper connection.

2. Blurry or Unclear Image Display

- Check if the lens protective films have been removed, and confirm the lenses are clean and free of smudges.
- Clean the car windshield to remove dirt or oil stains.
- Remove any items on the dashboard that may reflect sunlight and affect image quality.

3. Recording Issues / Memory Card Not Detected

- Make sure the TF card is properly inserted, with at least 8GB capacity and U3 speed class or above.
- Format the card using the device's built-in formatting tool.
- If formatting fails, replace the memory card.

4. Device Not Responding to Buttons

- If the screen is frozen or unresponsive, it may have crashed.
 - Unplug and reconnect the power cable to restart the device.
- If connected to the mobile app, local buttons controls may be disabled.
 - Operate the device via the app instead.

**5. If your dash cam is not working properly, do not attempt to repair it yourself.
Please contact us at: help@terunsoul.com**

Warning: If the problem is still not solved by following the above steps, please contact customer service and do not disassemble the device by yourself!

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

- This device may not cause harmful interference.
- 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



FCC ID: 2BPRI-D016

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