



User's Manual

Dashcam

DrivePro™ 110

2022/03

(Version 1.5)



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1. System Requirements

System requirements for connecting the DrivePro to a desktop or a laptop with a working USB port:

- Windows® 7
- Windows® 8
- Windows® 10
- macOS® 10.14 or later
- Linux® Kernel 2.6.38 or later

System requirements for using the DrivePro Toolbox:

- Windows® 7
- Windows® 8
- Windows® 8.1
- Windows® 10
- macOS® 10.14 or later

2. Package Contents

The DrivePro 110 dashcam package includes the following items:

- A DrivePro 110 Dashcam



- An Adhesive Mount or a Suction Mount



- A Car Adapter



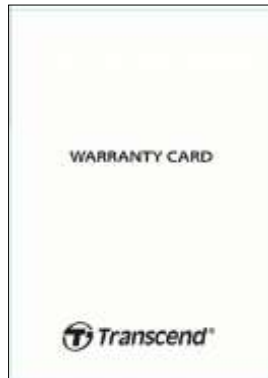
- A Transcend microSD Memory Card



- A Quick Start Guide

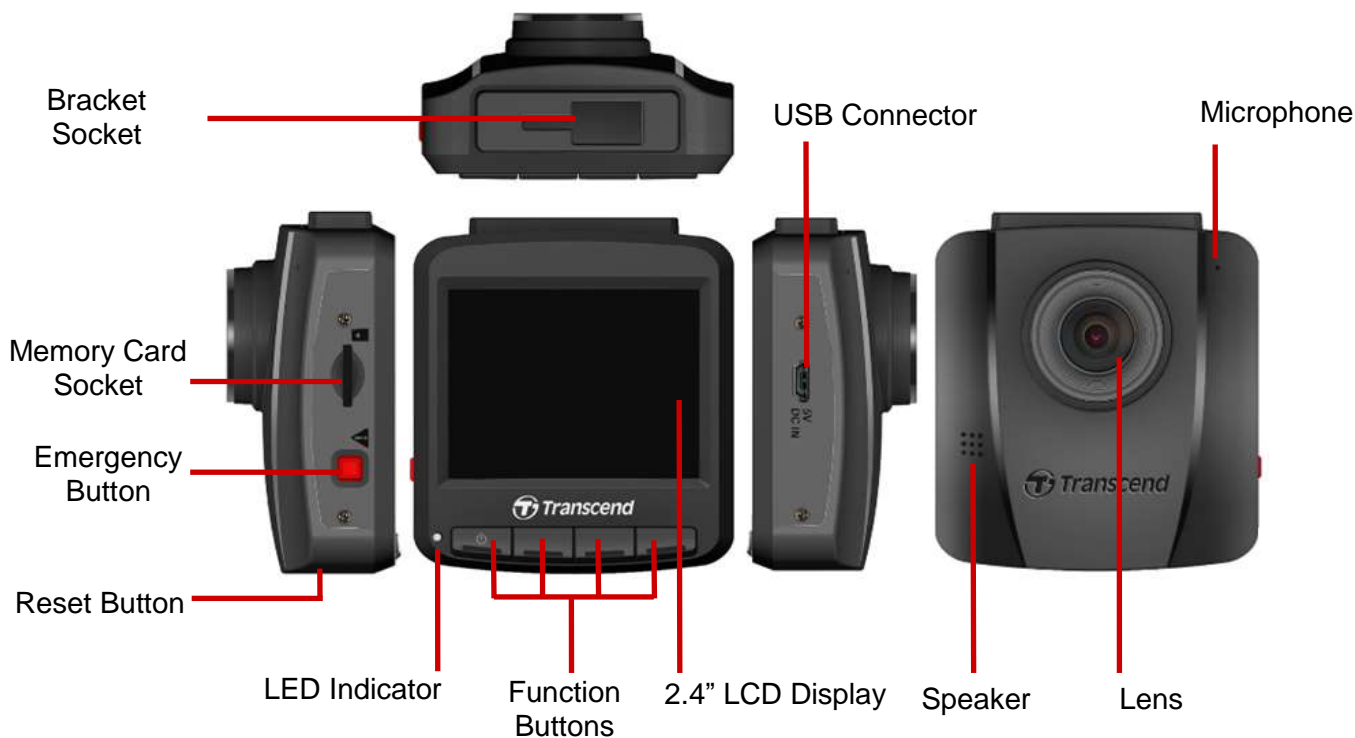


- A Warranty Card



3. Getting Started

3-1 Overview



3-2 Inserting a microSD Memory Card


You must insert a microSD memory card into the DrivePro before you can start recording. Please use a microSD memory card with 8GB, 16GB, 32GB, 64GB or 128GB capacity (Class 10 or above).

1. Insert a microSD memory card into the card slot on the left-hand side of the DrivePro.

Note: Always format a new memory card in the DrivePro before using it for the first time. To format a new memory card, press the Settings button during recording, and select **Format Card**.

Format your memory card on a regular basis. For the best recording stability, you are encouraged to format the microSD card regularly. DrivePro will send you a notification every

three months as a reminder. Upon receipt, press **OK** to begin formatting immediately;

press  to resume without taking actions. **Notice: Formatting will erase all data on the memory card.**



WARNING: DrivePro 110 can only support FAT32 and exFAT file format, but not NTFS.



2. To remove, push to eject the memory card out of the slot.



WARNING: Do not remove the memory card during shutdown to avoid damages to the memory card and loss of recorded videos

- The following table shows approximate recording time according to capacity and resolution (for reference only):

DrivePro	Frame Rate	Card Capacity (FAT32)			
		32GB	64GB	128GB	256GB
DrivePro 110	Full HD 1080P 60fps	3 hrs	6 hrs	12 hrs	24 hrs
	Full HD 1080P 30fps	4.5 hrs	9 hrs	18 hrs	36 hrs
	HD 720P 60fps	7 hrs	13.5 hrs	27 hrs	53.5 hrs
	HD 720P 30fps	10hrs	20 hrs	40 hrs	79 hrs

3-3 Mounting the DrivePro

1. Insert the mount bracket into the top of the DrivePro, and slide sideways until you hear a click.



2. Thoroughly clean and dry the area of the windshield you wish to mount the DrivePro. If possible, mount the DrivePro in the middle of the windshield near the rear-view mirror for the best field of view.
3. Peel off the protective film from the mount bracket's foam sticker, and firmly attach the DrivePro to the windshield.
4. Turn the adjustment knob anticlockwise to loosen, and then adjust the DrivePro's position.



5. After the DrivePro is in the best position, turn the adjustment knob clockwise to make sure that the DrivePro is securely locked in place.



3-4 Connecting to Power

Note: Insert a microSD memory card before connecting the DrivePro to your car's lighter socket.

1. Connect the small end of the car adapter to the USB connector of the DrivePro.



2. Connect the other end of the car adapter to your car's lighter socket.






















3. After the car engine is switched on, the DrivePro will automatically turn on and start recording.
4. After the car engine is switched off, the DrivePro will automatically save the current recording, and power off.

Note: Lighter sockets of some types of vehicles will still supply power after the car engine is turned off. If your car is of this type, please unplug your car video recorder from the lighter socket to avoid unnecessary power consumption and unexpected issues.

3-5 Function Buttons



Mode	A	B	C	D
Video Recording	 Power	 Browse Files	 Settings	 Take Photos
Browse/Settings	 Back*	 Up	 Down	 OK
Video Playback	 Back*	 Play/Pause	 Protected/Unprotected	 Delete
View Photos	 Back*	 Up	 Down	 Delete

1. Press and hold the  button for 3 seconds to manually turn on/off the DrivePro in any mode.
2. Long press the  button to quickly turn on/off the microphone
3. Long press the  button to quickly enter Time-Lapse Video menu.

3-6 LED Indicator Reference Chart

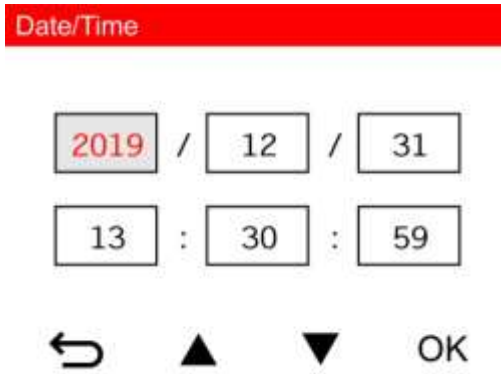
LED Status	Definition
Solid Red	Standby
Flashing Red	Recording

3-7 Setting the Date and Time

To set the current date and time:

1. During video recording, press the Settings button .

2. Use ▲ / ▼ to select **Date/Time Settings**, and press OK .




3. Use ▲ / ▼ to adjust values, and press OK to move to the next block.
Repeat step 3 above until the date and time settings are complete.

4. Recording Videos

4-1 Recording Screen

1. Recording status indicator
2. Duration of your recording
3. FPS (frame per second)
4. Voice record status
5. Battery status
6. Current time



After the car engine is switched on, the DrivePro will automatically turn on and start recording. By default, one video file is saved for every 3 minutes of recording. To adjust the recording length, please refer to the  **Settings** section in this manual.

After the car engine is switched off, the DrivePro will automatically save the current recording and power off.

Note: Lighter sockets of some types of vehicles will still supply power after the car engine is turned off. If your car is of this type, please unplug your car video recorder from the lighter socket to avoid unnecessary power consumption and unexpected issues.

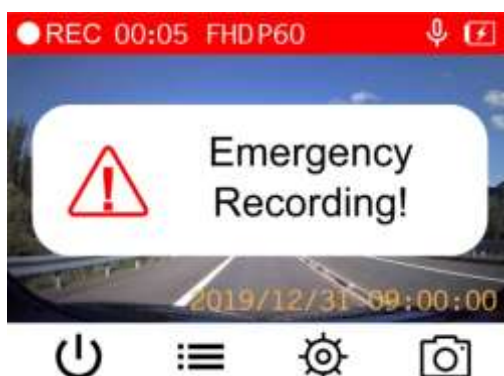
4-2 Emergency Recording

During video recording, press the emergency button on the left-hand side of the DrivePro to manually activate emergency recording mode.



30% of the storage space will be saved for emergency video files. Video files recorded in emergency mode are protected from being overwritten.

Manual Emergency Recording: During video recording, press the emergency button on the left-hand side of the DrivePro to manually activate emergency recording mode. The emergency icon will appear on the screen when activated.



G-Sensor Emergency Recording: During video recording, the DrivePro will automatically activate Emergency Recording mode when detecting a collision.

- If the G-Sensor sensitivity is set to “High”, even minor shocks will activate Emergency Recording mode.
- If the G-Sensor sensitivity is set to “Low”, only significant shocks will activate Emergency Recording mode.

G-Sensor sensitivity can be adjusted or disabled in the **Settings** menu.

Note: The earliest emergency file will be overwritten by the latest emergency file recorded.

Low Battery





Please charge the DrivePro immediately after viewing the Low Battery warning to avoid errors happening to the system time. Please avoid using the built-in battery to record videos directly.






Note: Please fully charge the DrivePro before using.

5. Browsing Photos and Playing Videos

5-1 Playing Videos / Browsing Photos

1. During video recording, press the Browse button  .
2. Use  /  to select either **Normal**, **Emergency** or **Snapshot**, and press  .



3. Use  /  to select the desired video file, and press  .







4. Press  to pause playback. Press  again to resume playback.







5. Press  to return to the video file list.

5-2 Deleting Videos

1. During playback of a video file, press . The message, "Delete?" will pop up.
2. Use  /  to select "Yes," and press  to delete the file.



5-3 Protecting Videos

1. During playback of a normal video file, press . The message, "Lock?", will pop up.
2. Use  /  to select "Yes," and press  to protect the file.



6. Settings





In the Settings menu, you can adjust settings of video resolution, recording time and G-Sensor sensitivity. You can also set the date/time/time zone, change the interface language, format the memory card, or upgrade firmware.

1. During video recording, press the Settings button  .



2. Use  /  to select the desired menu option, and press  .



3. Use  /  to select the desired setting, and press  .
4. Press  to return to the Settings menu.

Menu Options



Resolution: Set the resolution/quality for video recording.

Available options: **1080P 60FPS (FHD) / 1080P 30FPS (FHD) / 720P 60FPS (HD) / 720P 30FPS (HD)**

(Note: Available options are displayed depending on your model.)



Exposure Value: Adjust exposure composition value to lighten or darken the preview screen.

Available options: **+2.0 / +1.5 / +1.0 / +0.5 / 0 / -0.5 / -1.0 / -1.5 / -2.0**



Video Length: Set the recording length of each recorded video file.

Available options: **1 min / 3 mins / 5 mins**



Video Stamp: Display the current time of the event of the video being recorded.

Available options: **Disable / Enable**



Time-Lapse Video: Set a preferred time interval to make time-lapse videos. Time-lapse video mode can only be enabled manually; once enabled, it will replace Normal recording mode.

Available options: **Disable / 1 sec per shot / 2 sec per shot / 4 sec per shot**

Note: To prevent the car battery from being completely drained, the DrivePro will automatically power off after 48 consecutive hours of recording in Time-Lapse Video mode.



G-Sensor: Adjust the sensitivity of the G-Sensor.

Available options: **Disable / Low / Medium / High**



Headlight Reminder: When the DrivePro detects poor lighting conditions, the headlight reminder will automatically activate.

Available options: **Disable / Enable**



Driver Fatigue Alert: Remind the driver of the need to rest after driving for a preset, driver-determined period of time.

Available options: **Disable / 1 hour / 2 hours / 3 hours / 4 hours**



Microphone: Turn on/off the microphone during video recording.

Available options: **Disable / Enable**



Volume: Set the speaker volume level.

Available options **0 ~7 (You can choose 0 to switch on Silent Mode)**



Auto Display Off: Set duration for display to automatically turn off after recording begins.

Available options: **Never / After 1 min / After 3 mins**

Note: Auto Display Off is disabled when Headlight Reminder or Driver Fatigue Alert is enabled.



Delay Power Off: Schedule the DrivePro to shut down at a certain time.

Available options: **Disable / 10 secs / 30 secs**



Date/Time Settings: Set the current date, time, and time zone.



Light Frequency: Select the appropriate frequency to avoid flashing A/C light.

Available options: **50Hz / 60Hz**



Language: Set the on-screen display menu language.

Available options: **English / 繁體中文 / 简体中文 / 日本語 / Deutsch / Español / Français /**



Information: Display the DrivePro's current firmware version, card capacity and free space.



Format Card: Format the microSD memory card.

Available options: **Cancel / Confirm**



WARNING: Formatting will erase all the data stored in the card.



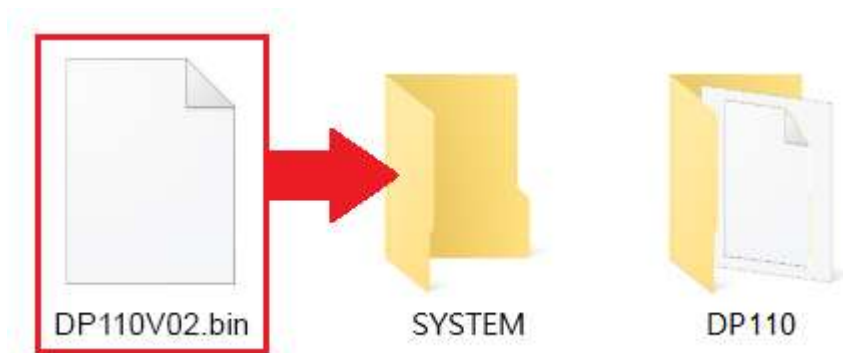
Restore Defaults: Reset all settings to factory default settings.

Available options: **Cancel / Confirm**




Upgrade Firmware: Keep your DrivePro up-to-date with the latest version downloaded from Transcend website <http://www.transcend-info.com/Support/service>. To prevent data loss, it is recommended that you backup your data to another location before upgrading the firmware of your DrivePro 110.

1. After downloading firmware from Transcend website, decompress it and then put the **DP110V02.bin** file in the "SYSTEM" folder of the microSD memory card.



2. Insert the microSD memory card that contains the latest firmware version.
3. Connect the DrivePro to an external power outlet. **Do NOT remove the USB cable while the firmware is being upgraded.**
4. Select "Upgrade Firmware" from the "Settings" menu and press **OK** to start the firmware detection process. The DrivePro will automatically find the latest firmware file.
Note: The firmware upgrade will take about 1-2 minutes. Please do not turn off the DrivePro while upgrading. The DrivePro will restart automatically after the upgrade is completed.

-  Information
-  Format Card
-  Restore Defaults
-  Upgrade Firmware

   OK

Upgrade Firmware

Upgrade firmware?

 Cancel
Confirm

   OK



WARNING: NEVER remove the power cord or the microSD memory card while the firmware is being upgraded.

If the DrivePro cannot be turned on due to firmware upgrade failure, please contact Transcend customer service for technical support.

7. DrivePro Toolbox Software

The DrivePro Toolbox, developed for Windows, features a user-friendly interface that allows you to select and play videos recorded on your DrivePro without the need to install separate codecs.

1. Download the installation files from: <http://www.transcend-info.com/downloads>
2. Install DrivePro Toolbox software on your desktop or laptop.

Useful features available for the DrivePro 110 include:

1. Video Sorting
Easily sort videos by file name, recorded date, or by group.
2. Smooth Video Playback
Connect the DrivePro or use a microSD card slot supported card reader or adapter to play back recorded events on your Windows OS computer.
3. Video Trimming and Snapshots
You can select a video, trim it and save it as a new clip immediately.

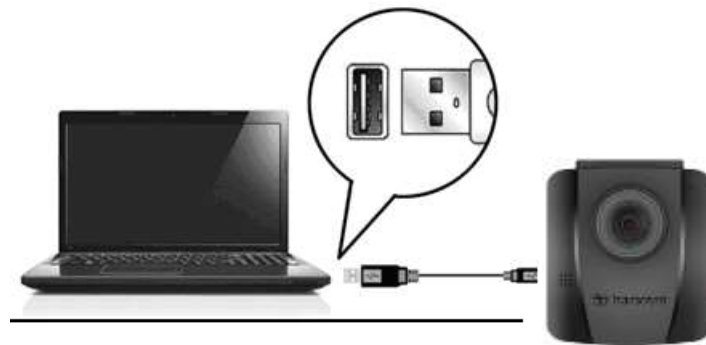
8. Transferring Files to a Computer

To transfer files between the DrivePro's memory card and your computer:

Option 1: Take the microSD memory card out of the DrivePro, and insert to a compatible card reader to transfer files to your computer.

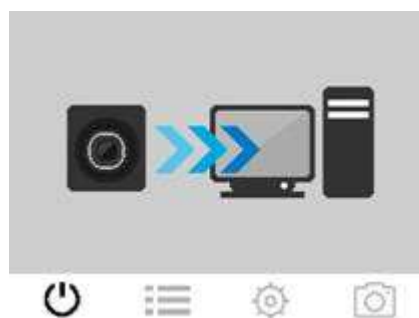
Option 2:

1. Insert the microSD memory card into the DrivePro.
2. Plug the small end of a USB cable into the Micro-B USB port located on the right-hand side of the DrivePro.
3. Plug the large end of the cable into an available USB port on your desktop or laptop.




DP110 package does not contain any USB cable.

The DrivePro will display the following screen when connected to a computer:



■ Windows 7, 8, 8.1 and 10


No drivers are required for connecting the DrivePro to your desktop or laptop. Windows® Operating Systems have built-in drivers to support your DrivePro. Upon successful connection to your computer, a new **Removable Disk** drive with a newly assigned drive letter representing the DrivePro will automatically appear in **My Computer**, and a Removable Hardware  icon will appear in the Windows System Tray.

Name	Type	Total Size	Free Space
Hard Disk Drives (2)			
Local Disk (C:)	Local Disk	976 GB	237 GB
Local Disk (D:)	Local Disk	886 GB	3.19 GB
Devices with Removable Storage (1)			
Removable Disk (E:)	Removable Disk		

*Note: (I:) is an example drive letter – the letter in your “My Computer” window may differ.

Your DrivePro is now ready to transfer data just like an external hard drive. To transfer videos, simply drag-and-drop files from the folder that represents the DrivePro.

Proper removal of your DrivePro from Windows:

1. Click once on the **Removable Hardware** icon  in the system tray.
2. A **Safely Remove Hardware** window will pop up. Click to continue.
3. A window stating, “**The ‘USB Mass Storage Device’ device can now be safely removed from the system,**” will pop up. Unplug your DrivePro from the USB port after seeing this message.



■ macOS® 10.14 or later

No drivers are required. Plug your DrivePro into an available USB port directly, and your computer will automatically detect it.



Proper removal of your DrivePro from macOS:

Drag-and-drop the Disk icon corresponding to your DrivePro into the trashcan, and then unplug your DrivePro from the USB port.



1. **WARNING:** To prevent data loss, always follow the proper removal procedures when disconnecting the DrivePro from your computer.
2. When the DrivePro is connected to a computer, it can only be used for transferring files. You will not be able to use any of the DrivePro's features at this time. Please disconnect your DrivePro from the computer to resume normal function.
3. **NEVER** use the "format" or "initialize disk" function while the DrivePro is connected to your computer, even if prompted to do so.

9. Troubleshooting

If a problem occurs to your DrivePro, please first check the instructions listed below before sending your DrivePro for repair. If you cannot find any ideal solution to your question below, please consult your dealer, service center, or local Transcend branch office for further help. You can also visit Transcend website for FAQ and Technical Support services. For any Hardware issues, please refer to the DrivePro User's Manual.

■ **My computer operating system cannot detect my DrivePro**

Please check the followings:

1. Is your DrivePro properly connected to the USB port? If not, unplug and connect it again. Make sure that both ends of the USB cables are properly connected as shown in the User's Manual.
2. Is your DrivePro connected to the Mac keyboard? If yes, try to plug it in an available USB port on your Mac Desktop directly.
3. Is the computer's USB ports enabled? If not, refer to the user's manual of your computer (or motherboard) to enable them.

■ **None of the DrivePro buttons are responding (hangs / lags / stalls)**

Try unplugging the car adapter from your DrivePro, and reconnecting it to your DrivePro again.

■ **My DrivePro cannot play videos stored in my memory card.**

Edited videos may not be displayed properly on your DrivePro.

■ **Nothing happens when I press the "Emergency Recording" button.**

Emergency Recording only works in the recording mode.

10. Safety Cautions

These usage and safety guidelines are **IMPORTANT!** Please follow them carefully to ensure your own personal safety, and help protect your DrivePro from potential damages.

■ General Use

- For in-car use only.
- For your safety, do not operate the DrivePro, or use the DrivePro App while driving.
- Avoid placing the DrivePro in an extreme temperature environment.
- Avoid splashing water or any other liquids on the DrivePro and accessories.
- Do not use the DrivePro in an environment with strong magnetic fields or excessive vibration.
- Only use the car adapter provided by Transcend. Other car adapters may not compatible with the DrivePro.
- Lighter sockets of some types of vehicles will still supply power after the car engine is turned off. If your car is of this type, please unplug your car video recorder from the lighter socket to avoid unnecessary power consumption and unexpected issues.

■ Mounting Location

- Never place the DrivePro where the driver's view or deployment of airbags is obstructed.
- Mount the DrivePro within the range of the windshield wipers to ensure clear visibility in rain.



WARNING: Remove the DrivePro carefully if it is mounted on a tinted window to prevent damages to the tint film.

■ Backing up Data

- **Transcend does NOT take any responsibility for data loss or damage during operation.** We strongly advise that you regularly back up data in your memory card to a computer or other storage medium.
- To ensure Hi-Speed USB 2.0 data transfer rates when connecting your DrivePro to a computer, please check if the computer is installed correct USB drivers. If you are not sure how to check this, please refer to the User's Manual of the computer or motherboard for USB driver information.

11. Specifications

	DrivePro 110 (Models produced before 2019.11)	DrivePro 110 (Models produced after 2019.11)
Panel	2.4" color LCD	
Speaker / Microphone	1.0 Watt / -42dB (built-in)	0.5 Watt / -42dB (built-in)
Connect Interface	USB 2.0	
Storage Capacity	microSD, 8GB / 16GB / 32GB / 64GB / 128GB (Class 10 or above)	
Control buttons	4 function buttons 1 emergency recording button 1 reset button	
Dimensions	70.2 mm (L) × 63.1mm (W)× 32.5mm (H)	
Weight	71g	69g
Power Supply (car charger)	Input DC12V~24V Output DC5V / 1A	Input DC12V~24V Output DC5V / 2A
Operating Temperature	-20°C (-4°F) ~ 65°C (149°F)	
Video Formats	H.264 (MOV: up to 1920x1080 30fps)	H.264 (MP4: up to 1920x1080 60fps)
Lens	F/2.0, 130° wide angle	F/2.0, 140° wide angle
Resolution / Frame Rate	Full HD (1920 x 1080) 30fps HD (1280 x 720) 30fps	Full HD (1920 x 1080) / 60fps (Default) Full HD (1920 x 1080) / 30fps HD (1280 x 720) / 60fps HD (1280 x 720) / 30fps
Certification	CE, FCC, NCC, BSMI, EAC	
Warranty	2 years	

In addition to the bundled microSD card, we recommend Transcend's High Endurance microSD cards or MLC-based memory cards to ensure the best recording performance.

Note

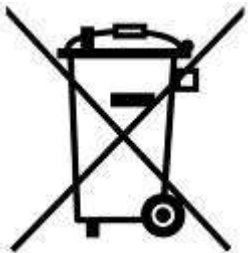
- 16GB-64GB High Endurance microSDHC card
(TS16GUSDHC10V/TS32GUSDHC10V/ TS64GUSDXC10V)
- 64GB/128GB High Endurance microSDXC 350V card
(TS64GUSD350V/TS128GUSD350V)

12. Recycling and Environmental Protection



Recycling the Product (WEEE): Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When you see the crossed-out wheel bin symbol attached to a product, it means that the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potential negative consequences on the environment and human health.



Battery Disposal: Your product contains a built-in rechargeable battery covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste. Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

For products with non-exchangeable built in batteries: The removal of (or the attempt to remove) the battery invalidates the warranty. This procedure is only to be performed at the end of the product's life.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

13. Federal Communications Commission (FCC) Statement

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received including interference that may cause undesired operation.

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.

RF Exposure Statement:

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

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

14. Two-year Limited Warranty

This product is covered by a Two-year Limited Warranty. Should your product fail under normal use within two years from the original purchase date, Transcend will provide warranty service pursuant to the terms of the Transcend Warranty Policy. Proof of the original purchase date is required for warranty service. Transcend will inspect the product and in its sole discretion repair or replace it with a refurbished product or functional equivalent. Under special circumstances, Transcend may refund or credit the current value of the product at the time the warranty claim is made. The decision made by Transcend shall be final and binding upon you. Transcend may refuse to provide inspection, repair or replacement service for products that are out of warranty, and will charge fees if these services are provided for out-of-warranty products.

Limitations

Any software or digital content included with this product in disc, downloadable, or preloaded form, is not covered under this Warranty. This Warranty does not apply to any Transcend product failure caused by any accident, abuse, mishandling or improper usage (including use contrary to the product description or instructions, outside the scope of the product's intended use, or for tooling or testing purposes), alteration, abnormal mechanical or environmental condition (including prolonged exposure to humidity), acts of nature, improper installation (including connection to incompatible equipment), or problems with electrical power (including undervoltage, overvoltage, or power supply instability). In addition, damage or alteration of warranty, quality or authenticity stickers, and/or product serial or electronic numbers, unauthorized repair or modification, or any physical damage to the product or evidence of opening or tampering with the product casing will also void this Warranty. This Warranty shall not apply to the transferees of Transcend products and/or anyone who stands to profit from this Warranty without Transcend's prior written authorization. This Warranty only applies to the product itself, and excludes integrated LCD panels, rechargeable batteries, and all product accessories (such as card adapters, cables, earphones, power adapters, and remote controls).

Transcend Warranty Policy

Please visit www.transcend-info.com/warranty to view the Transcend Warranty Policy. By using the product, you agree that you accept the terms of the Transcend Warranty Policy, which may be amended from time to time.



Transcend Information, Inc.

www.transcend-info.com

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