



User's Manual

Dashcam

DrivePro 110

2023/04

(Version 2.0)



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1. System Requirements

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

- Windows® 10 or later
- macOS® 10.11 or later

2. Package Contents

The DrivePro dashcam package includes the following items:

- DrivePro Dashcam



- Adhesive Mount or Suction Mount



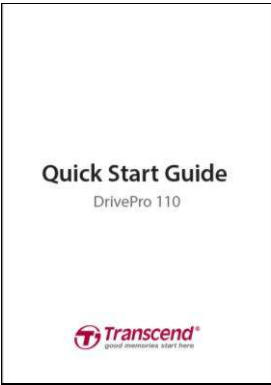
- Car Lighter Adapter



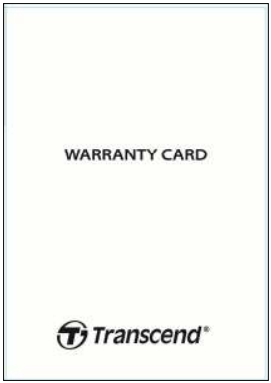
- microSD Memory Card



● Quick Start Guide



● Warranty Card



3. Getting Started

3-1 Overview



3-2 Inserting a microSD Memory Card

Before you can start recording, you need to insert a microSD memory card into the DrivePro. Please use a microSD memory card with 32 GB, 64 GB, 128 GB or 256 GB capacity (Class 10 or above).

1. Insert a microSD memory card into the card slot of the DrivePro.



WARNING

1. 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**.
2. **Formatting will erase all data on the memory card.**
3. DrivePro 110 can only support the FAT32 file system, not exFAT/NTFS. Please select FAT32 for firmware update.

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 (for reference only):

Frame Rate	Card Capacity (FAT32)			
	32 GB	64 GB	128 GB	256 GB
2K QHD 1440P 30fps	3 hrs	6 hrs	12 hrs	25 hrs
Full HD 1080P 60fps	3 hrs	6 hrs	12 hrs	25 hrs
Full HD 1080P 30fps	4.5 hrs	9 hrs	18 hrs	36 hrs
HD 720P 60fps	9 hrs	19 hrs	39 hrs	78 hrs
HD 720P 30fps	17.5 hrs	35 hrs	72 hrs	145 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 intend to mount the DrivePro. If possible, mount it in the middle of the windshield and close to the height of 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

1. Connect one end of the car lighter adapter to the DrivePro's USB connector.



2. Connect the other end of the adapter to your car power outlet.



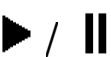
3. After the car engine is switched on, the DrivePro will automatically turn on and start recording.
4. After the car engine is switched off, the DrivePro will automatically save the current recording and power it off.

Note

1. Insert a microSD memory card into the DrivePro before connecting it to your car's power outlet.
2. Car power outlets 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 dashcam from the power outlet to avoid unnecessary power consumption and unexpected issues.
3. Leaving the car engine switched off during long video recordings can completely drain the car's power.

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 the Time-Lapse Video menu.

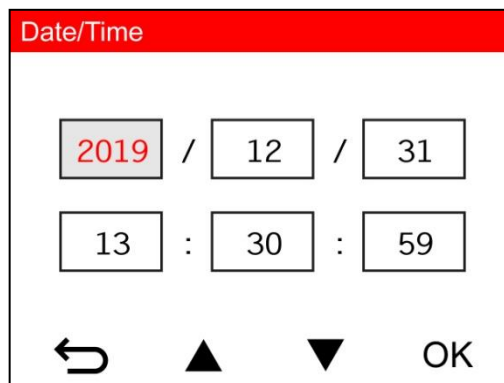
3-6 LED Indicator

LED Status	Definition
Solid Red	Standby
Flashing Red	Recording

3-7 Setting the Date and Time

Set the date and time first to ensure the recording time is right.

1. During video recording, press the Settings button .
2. Use ▲ / ▼ to select **Date/Time**, and press “OK.”



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

4. Recording Videos

4-1 Recording Screen



1. Recording status indicator
2. Video length
3. Video resolution / Frame rate
4. Voice record status
5. Battery status
6. Date / 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 go to the  Settings menu.

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

4-2 Emergency Recording

30% of the storage space will be saved for emergency video files. Video files recorded in Emergency Recording mode are protected from being overwritten. To adjust the recording length, please go to the Settings menu.



Manual Emergency Recording:

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



G-Sensor Emergency Recording:

During video recording, the DrivePro automatically activates Emergency Recording mode when detecting a collision or hit.

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

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

Note

Loop recording is enabled by default. The earliest emergency files will be overwritten by the latest emergency files recorded.

Low Battery

Please connect the DrivePro to the power supply immediately after the Low Battery warning pops up to avoid errors occurring with the system time. Please avoid using the built-in battery to record videos directly.



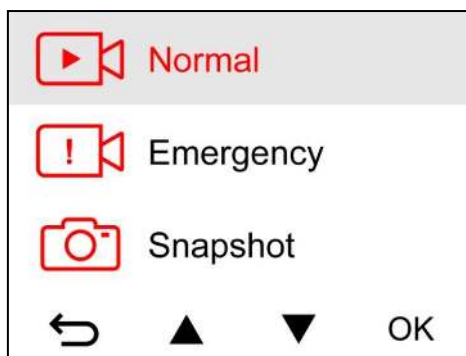
Note

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 “OK.”



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



4. Press **⏸** to pause playback. Press **▶** again to resume playback.



5. Press **⏮** to return to the video file list.

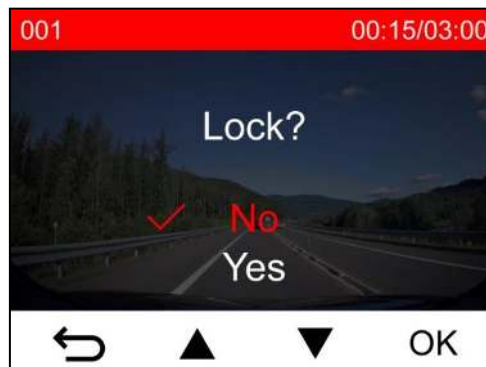
5-2 Deleting Videos

1. During the playback of a video file, press **🗑**. The message “Delete?” will pop up.
2. Use **▲** / **▼** to select “Yes,” and press “OK” to delete the file.



5-3 Protecting Videos

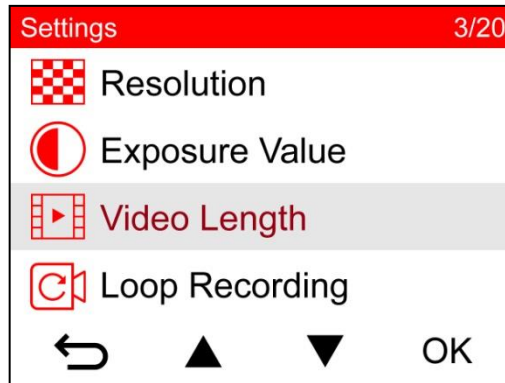
1. During the playback of a normal video file, press **🔒**. The message “Lock?” will pop up.
2. Use **▲** / **▼** to select “Yes,” and press “OK” to protect the file.



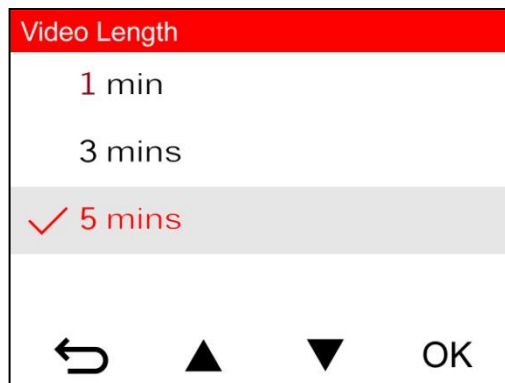
6. Settings

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

1. During video recording, press the Settings button .



2. Select the preferred menu option using ▲ / ▼, and press "OK."



3. Select the desired setting using ▲ / ▼, and press "OK."
4. Press  to return to the Settings menu.

6-1 Menu Options

Camera		
Icon	Feature	Function / Option
	Resolution	Set the resolution/quality for video recording.  Note: Available options are displayed depending on your model. 1440P 30fps / 1080P 60fps / 1080P 30fps / 720P 60fps / 720P 30fps
	Exposure Value	Adjust exposure composition value to lighten or darken the preview screen. +2.0 / +1.5 / +1.0 / +0.5 / 0.0 (default) / -0.5 / -1.0 / -1.5 / -2.0
	Microphone	Turn off/on the microphone during video recording. Disable / Enable (default)
	Video Length	Set the recording length of each recorded video file. 1 min / 3 mins (default) / 5 mins
	Video Stamp	Display the recording time of the video. Disable / Enable (default)
	Loop Recording	Overwrite the earliest video files with new ones if the microSD card is full. Disable / Enable (default)
	Light Frequency	Select the appropriate frequency to avoid flashing A/C light. 50 Hz (default) / 60 Hz
	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.  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. Disable (default) / 1 sec/shot / 2 sec/shot / 4 sec/shot

Driving Assistant		
Icon	Feature	Function / Option
	Headlight Reminder	When the DrivePro detects poor lighting conditions, the headlight reminder will automatically activate. Disable (default) / Enable
	Driver Fatigue Alert	Remind the driver of the need to rest after driving for a preset, driver-determined period of time. Disable (default) / 1 hour / 2 hours / 3 hours / 4 hours

System		
Icon	Feature	Function / Option
	Volume	Set the speaker volume level. 0 to 7 (Choose 0 to switch on Silent Mode)
	G-Sensor	Adjust the sensitivity of the G-Sensor. Disable / Low (default) / Medium / High
	Delay Power Off	Schedule the DrivePro to shut down at a certain time. Disable / 10 secs (default) / 30 secs
	Auto Display Off	Set duration for display to automatically turn off after recording begins. ⚠ Note: Auto Display Off is disabled when Headlight Reminder or Driver Fatigue Alert is enabled. Never (default) / After 1 min / After 3 mins
	Date/Time	Set the date, time, and time zone.
	Language	Set the on-screen display menu language. English / 繁體中文 / 简体中文 / 日本語 / Deutsch / Español / Français / Italiano / Русский / Português / Ελληνικά / Türkçe / 한국어 / ไทย
	Format Card	Format the microSD memory card. ⚠ WARNING: Formatting will erase all the data stored in the card. Cancel (default) / Confirm
	Upgrade Firmware	Keep your DrivePro up-to-date with the latest firmware version. ⚠ Note: 1. To prevent data loss, it is recommended that you backup your data to another location before upgrading the firmware. 2. Download the latest version from Transcend website. https://www.transcend-info.com/support/product/dashcam/drivepro-110 Cancel (default) / Confirm
	Restore Defaults	Reset all settings to their factory defaults. Cancel / Confirm
	Screen Adjustment	Adjust the position of the recording screen.
	Information	Display the DrivePro's current firmware version, card capacity, and model name/number.

6-2 Firmware Upgrade

1. After downloading firmware from Transcend website, decompress it and then put the file in the “SYSTEM” folder of the microSD memory card.

Name	Date modified
DP110	3/30/2023 3:39 PM
SYSTEM	3/30/2023 3:38 PM

2. Insert the microSD memory card that contains the latest firmware version into the card slot of the DrivePro.
3. Connect the DrivePro to an external power outlet. 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. Select Confirm to complete the firmware upgrade process.

Note

The firmware upgrade takes about 1 to 2 minutes. Please do not turn off the DrivePro while upgrading. The DrivePro will restart automatically after the upgrade is complete.

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 and macOS, 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: <https://www.transcend-info.com/downloads>.
2. Install DrivePro Toolbox software on your desktop or laptop.

Useful features available for the DrivePro 110 include:

Features		Description
	Video Sorting	Sort videos by filename, recording date, or group, which allows users to search for recorded videos efficiently and to play them.
	Smooth Video Playback	Connect the DrivePro or use a microSD card reader or adapter to play back recorded video events on your computer.
	Edit and Trim Videos	Select a video, trim it and save it as a new clip immediately. You can also capture snapshots from your videos during playback.
	License Plate Recognition	Automatically identify the license plates in a video and extract footage to allow users to perform a quick search.  Note: Available only on Windows 64-bit version.

8. Transferring Files to a Computer

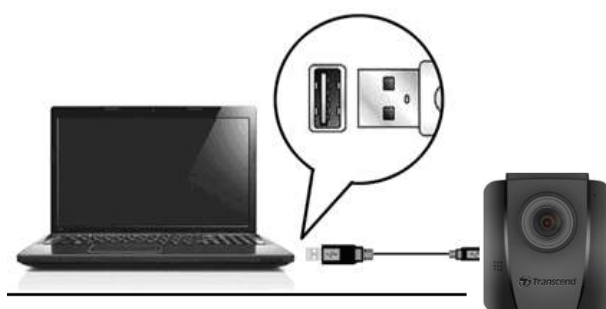
To transfer files between the DrivePro's memory card and your computer:

Option 1:

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

Option 2:

1. Insert the microSD memory card into the DrivePro.
2. Plug one end of a USB cable into the Micro-B USB port of the DrivePro.
3. Plug the other end of the cable into your desktop or laptop.



WARNING

DP110 package does not contain a USB cable.

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



Microsoft Windows® 10 or later

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

(E:) 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 copy 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 computer,” will pop up. Unplug your DrivePro from the USB port after seeing this message.



■ macOS® 10.11 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.

WARNING

1. 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** "format" or "initialize" the disk while the DrivePro is connected to your computer.
-

9. Troubleshooting

If a problem occurs to your DrivePro, please check the instructions below before sending your DrivePro for repair. If you cannot find any ideal solution to your questions, please consult the store where you purchased the product or the service center, or contact the local Transcend branch office. You can also visit Transcend's website for FAQ and Technical Support services. For any hardware issues, please refer to the DrivePro User's Manual.

■ **The 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 reconnect it. 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, directly plug it in an available USB port on your Mac desktop.
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 (The dashcam crashes or runs with lag.)**

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

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

Edited videos may not be displayed on your DrivePro.

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

Emergency Recording works in the Recording mode only.

10. Safety Cautions

These usage and safety guidelines are **IMPORTANT!** Please follow them carefully to ensure your 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 its accessories.
- Do not use the DrivePro in an environment with strong magnetic fields or excessive vibration.
- Only use the car lighter adapter provided by Transcend. Other adapters may not be compatible with the DrivePro.
- Some vehicles have power outlets that remain active even when the engine is turned off. If your car is of this type, please unplug your dashcam from the car power outlet 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

If the DrivePro is mounted on a tinted window, remove it carefully to prevent damage 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 the memory card for your dashcam to a computer or other storage medium.
- To ensure high-speed USB 2.0 data transfer rates when connecting your DrivePro to a computer, please check if the computer is installed with correct USB drivers. If you are unsure 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 2023/04)	DrivePro 110 (Models produced after 2023/04)
Dimensions	70.2 mm (L) × 63.1 mm (W) × 32.5 mm (H)	
Weight	71 g	69 g
Connect Interface	USB 2.0	
Storage Capacity	microSD, 32 GB / 64 GB / 128 GB / 256 GB (Class 10 or above)	
Panel	2.4" color LCD	
Lens	F/2.0, 140° wide angle	F/2.0, 140° wide angle
Resolution / Frame Rate	Full HD 1920 x 1080P 60/30fps HD 1280 x 720P 60/30fps	2K QHD 2560 x 1440P 30fps Full HD 1920 x 1080P 60/30fps HD 1280 x 720P 60/30fps
Video Formats	H.264 (MOV: up to 1920 x 1080 60fps)	H.264 (MP4: up to 2560 x 1440 30fps)
Control buttons	4 function buttons 1 emergency button 1 reset button	
Operating Temperature	-20°C (-4°F) to 65°C (149°F)	
Power Supply (car charger)	Input DC 12 V to 24 V Output DC 5 V / 1 A	Input DC 12 V to 24 V Output DC 5 V / 2 A
Certification	BSMI, CE, EAC, FCC, KC, RCM, UKCA	
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

- 32 GB / 64 GB High Endurance microSDHC card (TS32GUSDHC10V / TS64GUSDXC10V)
- 64 GB to 256 GB High Endurance microSDXC 350V card (TS64GUSD350V / TS128GUSD350V / TS256GUSD350V)

12. Recycling and Environmental Protection

For more information on **recycling the product (WEEE)** and **battery disposal**, please refer to the following link: <https://www.transcend-info.com/about/green>.

13. EU Compliance Statement

Transcend Information hereby declares that all CE marked Transcend products incorporating radio equipment functionality are in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
https://www.transcend-info.com/eu_compliance

Dashcam / Body Camera series

Frequency:

2400 MHz to 2483.5 MHz

Maximum transmit power:

< 100 mW



14. 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.

15. Warranty Policy

Please find the warranty period of this product on its package. For details of **Warranty Terms and Conditions** and **Warranty Periods**, please refer to the link below:
<https://www.transcend-info.com/warranty>.

16. GNU General Public License (GPL) Disclosure

Please visit <https://www.transcend-info.com/Legal/?no=10> to view more information on open-source licensing.

17. End-User License Agreement (EULA)

For details of software license terms, please refer to the following link:
<https://www.transcend-info.com/legal/gpl-disclosure-eula>.

18. Eurasian Conformity Mark (EAC)

