



microSD Cards

# High Endurance microSDXC/SDHC

Aimed at car video recorders, security cameras and surveillance systems, Transcend's high endurance microSDXC/SDHC card is built with high-quality MLC NAND flash chips to withstand up to 24,000 hours of Full HD video recording, providing long-life durability and prolonged endurance. To ensure the utmost level of reliability, the high endurance microSDXC/SDHC card undergoes extensive testing under harsh conditions to be verified waterproof, temperature proof, static proof, X-ray proof and shock resistance.



## Up to 24,000 hours of durability

Manufactured using top-tier MLC NAND flash chips, the high endurance microSDXC/SDHC card is capable of standing up to 24,000 hours of Full HD video recording, meeting the demands of write-intensive applications where storage capacity and durability performance are desperately required. Additionally, the built-in Error Correcting Code (ECC) can detect and correct transfer errors.



## Best companion to car video recorders

Taking full advantage of MLC NAND flash chips and with storage capacity up to 128GB, the high endurance microSDXC/SDHC card is ideal for car video recorders to ensure every critical moment happening on the road is recorded including license plates in Full HD 1920x1080p (30fps) resolution, providing reliable evidence to insurance companies or police.



## Great choices for security cameras and surveillance systems

Security cameras and surveillance systems including IP cameras and home security cameras require stable recording performance over a long period of time in harsh environments. The high endurance microSDXC/SDHC card comes with waterproof, static proof, X-ray proof and shockproof, delivering peak performance under extreme environmental conditions and wide operating temperatures ranging from -25°C to 85°C.



## microSD Cards

# High Endurance microSDXC/SDHC

## Features

- Ideal for dashcams, security cameras and surveillance systems
- Up to 24,000 hours of durability
- Up to 128GB storage capacity for storing flawless Full HD video recordings
- Up to 95 MB/s read; 50 MB/s write
- Exceptional reliability and long-life data retention




### RecoverRx software

Transcend offers RecoverRx software, a data recovery utility that allows you to search deep within a storage device for traces of erased files including digital photos, documents, music and videos.

## Specifications

### Appearance

Dimensions (Max.)	11 mm x 15 mm x 1 mm (0.43" x 0.59" x 0.04")
Weight (Max.)	0.4 g (0.01 oz)

### Storage

Flash Type	MLC NAND flash
Capacity	16 GB/32 GB/64 GB/128 GB

### Operating Environment

Operating Temperature	-25°C (-13°F) ~ 85°C (185°F)
Operating Voltage	2.7V ~ 3.6V

### Performance

Speed Class	UHS-I U1
	Class 10
Read Speed (Max.)	90 MB/s
Write Speed (Max.)	50 MB/s
Endurance (Max.)	16 GB: 3,000 hours
	32 GB: 6,000 hours
	64 GB: 12,000 hours
	128 GB: 24,000 hours
Insertion/Removal Cycles	10,000

Note	Speed may vary due to host hardware, software, usage, and storage capacity. Endurance is based on Full HD (1920x1080P) video content recorded at 26 Mbps at 30°C on Transcend DrivePro series. Before purchasing the High Endurance microSD card, please check the maximum capacity of memory card supported by your dashcam.
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## Warranty

Certificate	CE/FCC/BSMI/RCM
Warranty	Two-year Limited Warranty

## Ordering Information

16GB	TS16GUSDHC10V
32GB	TS32GUSDHC10V
64GB	TS64GUSDXC10V
128GB	TS128GUSDXC10V

## microSD Cards Comparison



microSDXC/SDHC  
500S



microSDXC  
330S



microSDXC/SDHC  
300S



microSDXC  
350V



High Endurance  
microSDXC/SDHC

High Endurance

### Appearance

Dimensions (Max.)

11 mm x 15 mm x 1 mm (0.43" x 0.59" x 0.04")

Weight (Max.)

0.4 g (0.01 oz)

### Storage

Flash Type

MLC NAND flash

3D NAND flash

3D NAND flash

3D NAND flash

MLC NAND flash

Capacity

8GB ~ 128GB

64GB ~ 128GB

4GB ~ 256GB

64GB ~ 128GB

16GB ~ 128GB

### Performance

Speed Class

UHS-I U3

UHS-I U3

UHS-I U3

UHS-I U1

UHS-I U1

UHS-I U1

V30

UHS-I U1

Class 10

Class 10

Class 10

A2

Class 10

V30

V30

A1

Read Speed (Max.)

95 MB/s

100 MB/s

95 MB/s

100 MB/s

90 MB/s

Write Speed (Max.)

60 MB/s

85 MB/s

45 MB/s

45 MB/s

50 MB/s

Insertion/Removal Cycles

10,000

### Warranty

Warranty

Five-year Limited Warranty

Two-year Limited Warranty

### Compatibility

Drones

✓

✓

✓

-

-

Action cameras

✓

✓

✓

-

-

Mobile devices

✓

✓

✓

-

-

Handheld game consoles

-

✓

-

-

-

Dashcams

-

-

-

✓

✓

Surveillance

-

-

-

✓

✓

#### NOTE:

- Speed may vary due to host hardware, software, usage, and storage capacity.
- A1 compliance applies only to 128GB-256GB capacity cards.
- A2 performance applies to devices that supports SD 6.0 specification or later.
- U3 and V30 compliance applies only to 16GB-128GB capacity cards.
- Before purchasing the High Endurance microSD card, please check the maximum capacity of memory card supported by your dashcam.