

HS-TF-H1I Series

MicroSD Cards for Surveillance



- High Durability MLC NAND w/10x Normal Life
- S.M.A.R.T. Mechanism Monitors Card Health
- Unique Security Mechanism Prevents Unauthorized Read/Write Functions
- Extended Service Life in Hikvision Cameras
- Ultra-Strong for Harsh Environments

The Hikvision HS-TF-H1I Series MicroSD Cards for Surveillance are specially designed for video surveillance recording with a Class 10 read/write speed. They adopt MLC NAND, fully satisfying the requirements of high read-write speed, stability, and durability for video surveillance; service life can be increased to about 10 times longer than that of common microSD cards that adopt TLC storage NAND in the same operating environment.

The S.M.A.R.T. (Self-Monitoring Analysis and Reporting Technology) feature provides unique functions such as life forewarning and health monitoring when used with Hikvision cameras. It can calculate the remaining available time based on the past records of use frequency and the number of bad blocks, and realize real-time warning to secure user data to the largest extent.

A read-write lock when used with Hikvision cameras prevents unauthorized personnel from reading from, or writing to, the microSD card even if they gain possession.

A special Hikvision storage algorithm offers longer service life if used with Hikvision cameras.

The devices are also water-, shock-, X-ray-, and temperature-resistant to perform normally in various harsh environments.

Available Models

HS-TF-H1I/32G: 32 GB
HS-TF-H1I/64G: 64 GB
HS-TF-H1I/128G: 128 GB

Specifications

Model	HS-TF-H1I/32G	HS-TF-H1I/64G	HS-TF-H1I/128G
Total Capacity	32 GB	64 GB	128 GB
Available Capacity	29.8 GB	59.2 GB	117 GB
Maximum Read Speed	90 MB/s		96 MB/s
Maximum Write Speed	46 MB/s	28 MB/s	44 MB/s
File System	FAT32	exFAT	
Format	MicroSDHC	MicroSDXC	
Speed	Class 10, U1		
Dimensions	14.99 x 10.92 x 1.02 mm (0.59 x 0.43 x 0.04 in)		
NAND Flash Memory	MLC (Multi-Level Cell)		
P/E (Program/Erase) Cycle Times	3,000		
Storage Temperature	-40° to +85° C (-40° to +185° F)		
Operating Temperature	-25° to +85° C (-13° to 158° F)		
Compatibility	Compatible with microSDHC, microSDXC, microSDHC UHS-I, and microSDXC UHS-I host devices		
Warranty	2 years		
Certifications	CE/FCC		

Note: Performance test is performed in specific testing environment. Any change of the computer system, operation system, hardware, software, or functions will influence the test result.