# GUARD RPO TF

## Introduction

HIKSEMI P1 Micro SD (TF) Card for Surveillance is specially designed for video surveillance recording with a Class 10 read/write speed. It adopts 3D TLC NAND, fully satisfying the requirements of high read-write speed, stability and durability. Collocated with Hikvision cameras, it features life forewarning, health monitoring, and read/write lock which secure user data safety to the largest extent.




## Features

- **3D TLC NAND with High Durability**

The service life can be increased to about 10 times longer
than that of common Micro SD (TF) cards which adopt TLC storage NAND in the same operating environment.

- **S.M.A.R.T. Mechanism**

Unique functions of 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.

- **Unique Security Mechanism**

Unique function of read-write lock when used with Hikvision cameras, preventing irrelevant personnel from reading or writing even if they get the Micro SD (TF) card.

- **Special Storage Algorithm**

Embedded with special storage algorithm of Hikvision; and longer service life if used with Hikvision cameras.

- **All-Weather Durability**

Support -25℃ to 85℃ temperature range. Built for 7*24H all-weather continuous recording. Waterproof, shock proof,
X-ray proof, and temperature proof to handle various harsh environments with ease.

## Ordering Information

| Capacity | Model |
|---|---|
| 32 GB | HS-TF-P1 32G |
| 64 GB | HS-TF-P1 64G |
| 128 GB | HS-TF-P1 128G |
| 256 GB | HS-TF-P1 256G |
| 512 GB | HS-TF-P1 512G |
| 1TB | HS-TF-P1 1T |

**Note**

Please contact the local sales for detailed model information.

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# Specification

| Model | HS-TF-P1 | | | | | |
|---|---|---|---|---|---|---|
| Capacity | 32 GB | 64 GB | 128 GB | 256 GB | 512 GB | 1TB |
| Max. Read speed | 100 MB/s | 100 MB/s | 100 MB/s | 100 MB/s | 100 MB/s | 100 MB/s |
| Max. Write speed | 25 MB/s | 45 MB/s | 45 MB/s | 88 MB/s | 88 MB/s | 88 MB/s |
| Speed specifications | U1，U3 | | | | | |
| NAND flash memory | TLC | | | | | |
| Dimensions | 0.59” x 0.43” x 0.04”（14.99mm x 10.92mm x 1.02mm） | | | | | |
| Working Temperature | -25 °C to 85 °C (-13 °F to 185 °F) | | | | | |
| Storage Temperature | -40 °C to 85 °C (-40 °F to +185 °F) | | | | | |
| PE | 3000 times | | | | | |
| Compatibility | Compatible with microSDHC, microSDXC, microSDHC UHS-I and SDXC UHS-I host devices | | | | | |
| Warranty | 2 years | | | | | |

**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.

## Revision History

| Version | Description | Date |
|---|---|---|
| V1.0.0 | HS-TF-P1 | 20241106 |

Data subject to change without notice.

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