

P1I Series Micro SD (TF) Card

Introduction

Hikvision 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 for video surveillance. Collocated with Hikvision cameras, it features life forewarning, health monitoring, and read/write lock which secure user data safety to the largest extent.



Appearance is for reference only

Available Models

Model	Description
HS-TF-P1(STD)/32G	Surveillance P1 Series 32GB
HS-TF-P1(STD)/64G	Surveillance P1 Series 64GB
HS-TF-P1(STD)/128G	Surveillance P1 Series 126GB
HS-TF-P1(STD)/256G	Surveillance P1 Series 256GB

Application

Hikvision P1Micro SD (TF) card adopts the 3D TLC NAND Flash with larger number of write cycle. It is specially designed for the write intensive applications, such as Set-Top-Box, Over the Top, mobile storage, etc.

Hikvision P1 Micro SD (TF) card keeps a high and stable speed when writes the data. It can be applied to the circumstances like the Set-Top-Box which can constantly record the video and create the video buffer. Thus the video can be saved quickly and constantly.

Features and Functions

- **3D TLC NAND with HighDurability**

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;

- **Ultra-Strong Adaptability**

Waterproof, shock proof, X-ray proof, and temperature proof to perform normally in various harsh environments.

Specifications

Total capacity	32GB (microSDHC™)	64GB (microSDXC™)	128GB (microSDXC™)	256GB (microSDXC™)
Max. read speed	90MB/s	90MB/s	90MB/s	90MB/s
Max. write speed	25MB/s	45MB/s	45MB/s	90MB/s
NAND flash memory	TLC			
Speed	Class 10	Class 10, UHS-III	Class 10, UHS-III	Class 10, UHS-III
File system	FAT32	exFAT	exFAT	exFAT
Dimensions	0.59" x 0.43" x 0.04" (14.99mm x 10.92mm x 1.02mm)			
Operating temperature	-25°C ~ 85°C			
Storing temperature	-40°C ~ 85°C			
Compatibility	microSDHC、microSDXC、microSDHC UHS-I和 microSDXC UHS-I			
Warranty	2 year			

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.

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HIKVISION

Headquarters
Rm.01, 21/F, F4 Building,
5th Phase-NO.1 Software Park,
Guanshan 1 Rd, East Lake Development Zone,
Wuhan, China(430040)