

Surveillance microSD card



The surveillance microSD cards are based on the Video product line by SanDisk and are specifically designed to meet the security, endurance, capacity, performance and environmental requirements inherent in surveillance video devices.

The microSD cards enable a powerful feature with Health Status Monitoring for proactive maintenance.

The microSD cards come with an extended 5-year warranty. If the endurance limit of the card is reached before the end of the 5-year period, the warranty extension expires.

Functions

Compatible with Bosch cameras for local recording

The microSD cards are compatible with all Bosch cameras with the microSD card slot for local recording, including support for Health Status Monitoring.

Edge recording

Edge recording eliminates the need to have on-site servers, NVRs, as video storage is decentralized. This function can also be setup as a secondary system that works along with centralized recording.

The microSD cards integrate advanced edge recording, providing a reliable storage solution, by combining the following functions:

- Pre-alarm recording in RAM reduces write cycles on the microSD card, extending the lifetime significantly
- Video microSD cards are equipped with high endurance memory for prolonged lifetime
- Health Status Monitoring support to be able to send a Lifespan alarm allowing proactive maintenance

- ▶ Surveillance microSD cards from SanDisk
- ▶ Health Status Monitoring allowing proactive maintenance
- ▶ Approved for Bosch surveillance cameras
- ▶ Compatible with micro SDHC and micro SDXC supporting host devices
- ▶ 5-year warranty

Widely supported

Edge Recording on Bosch cameras supports a wide range of software solutions:

- VideoView+: Bosch Edge-Based / Cloud VMS solution delivering a decentralized solution where the processing and storage happen on the cameras themselves, managed via the cloud
- BVMS: Bosch Enterprise VMS delivering a highly optimized on-premises solution for Bosch hardware, focusing on extreme reliability and high-security "mission-critical" environments
- 3rd party cloud or on-premises solutions from leading brands like Milestone and Genetec

Regulatory information

Standard	Type
Emissions	EN 55032: 2015, CISPR 32: 2015
Immunity	EN 55035: 2017, EN 61000-4-2: 2009
Marks	CE, FCC, UKCA

Technical specifications

Storage

Memory card capacity *	MSD-V256G: 256 GB MSD-V512G: 512 GB MSD-V1T00: 1 TB MSD-V1T50: 1.5 TB
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*1 GB equals 1 billion bytes. Actual user capacity may be less depending on operating environment.

Performance

Interface	SD6.0 UHS-I
Sequential write speed	18 MB/s
Sequential read speed	160 MB/s
Endurance	MSD-V256G: up to 250 TBW (Total Bytes Written) MSD-V512G: up to 500 TBW MSD-V1T00: up to 1000 TBW MSD-V1T50: up to 1500 TBW
Speed class	C10, U1, V10

Functionality

Proactive maintenance	Health Status Monitoring (CPP7.3, CPP14, CPP15, CPP16)
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Mechanical

Dimension (H x W x D) (mm)	15 mm x 10 mm x 2 mm
Weight (g)	0.25 g
Color	Black

Environmental

Operating temperature (°C)	-25 °C - 85 °C
Operating temperature (°F)	-13 °F - 185 °F

Warranty

Warranty	5-year
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Ordering information

MSD-V256G Surveillance microSD card 256GB
256 GB surveillance card for video data storage
Order number **MSD-V256G**

MSD-V512G Surveillance microSD card 512GB
512 GB surveillance card for video data storage
Order number **MSD-V512G**

MSD-V1T00 Surveillance microSD card 1TB
1 TB surveillance card for video data storage
Order number **MSD-V1T00**

MSD-V1T50 Surveillance microSD card 1.5TB
1.5 TB surveillance card for video data storage
Order number **MSD-V1T50**



<https://www.boschsecurity.com>