Industrial SD card

- ▶ Industrial SD cards from Western Digital
- ▶ Extreme endurance
- ▶ Health Status Monitoring allowing proactive maintenance
- ▶ Approved for Bosch surveillance cameras
- ▶ 5-year warranty

Industrial SD cards from Western Digital that deliver endurance, reliability, extended temperature range, and longevity.

Designed and tested to withstand harsh environmental conditions. The Industrial SD cards take advantage of a powerful set of features available in the Industrial series: Health Status Monitoring for proactive maintenance, automatic read refresh to ensure data integrity, and host lock to enable data privacy. Fast read and write performance enables high bit-rate video streams for demanding imaging applications such as enterprise video surveillance. The Industrial SD cards come with an extended 5-year warranty. If the endurance limit of the cards is reached before the end of the 5-year period, the warranty extension expires. The endurance limits of the Industrial SD cards are:

- SD-064G: 192 TBW
- SD-128G: 384 TBW
- SD-256G: 768 TBW

Functions

Compatible with Bosch cameras for local recording
The SD cards are compatible with all Bosch cameras with an SD 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. Industrial SD 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 SD cards, extending the lifetime significantly
- Industrial SD cards support allows for extreme lifetime
- Health Status Monitoring support to be able to send a Lifespan alarm being able to do proactive maintenance

Regulatory information

Standard	Type
Emissions	EN 55032: 2015 Class B
Environmental	RoHS EU: 2011/65/EU (as amended by Directive (EU) 2015/863)
	EMC EU: 2014/30/EU
	EN 55024: 2010
Immunity	EN 61000-4-2: 2009
Marks	CE, UKCA, C-tick, FCC, EAC, REACH, WEEE

Technical specifications

Storage

Memory card capacity *	SD-064G: 64 GB
	SD-128G: 128 GB
	SD-256G: 256 GB

*1 GB equals 1 billion bytes. Actual user capacity may be less depending on operating environment.

Performance

Interface	SD6.0 UHS-I 104
Sequential write speed	Up to 50 MB/s
Sequential read speed	Up to 100 MB/s
Endurance	SD-064G: 192 TBW SD-128G: 384 TBW SD-256G: 768 TBW
Speed class	10, U1/U3, V10/V30

Functionality

Proactive maintenance	Health Status Monitoring (CPP4, CPP6, CPP7, CPP7.3, CPP14)
Write-protection	Using mechanical switch
Data retention	10 years data retention at 55 °C for fresh devices

Mechanical

Dimension (H x W x D) (mm)	32 mm x 24 mm x 2.10 mm
Weight (g)	2 g
Color	Black

Environmental

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

Ordering information

SD-064G IP SECURITY SD CARD 64GB
64 GB industrial SD card with health status monitoring
Order number **SD-064G**

SD-128G IP SECURITY SD CARD 128GB
128 GB industrial SD card with health status monitoring
Order number **SD-128G**

SD-256G IP SECURITY SD CARD 256GB
256 GB industrial SD card with health status monitoring
Order number **SD-256G**