

SD-256G IP SECURITY SD CARD 256GB

Industrial SD Card



- ▶ Industrial SD card 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 card is reached before the end of the 5-year period, the warranty extension expires. The endurance limit of this Industrial SD card is:

- 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

Parts included

Quantity	Component
1	SD card

Technical specifications

Storage

Memory card capacity (GB)*	256 GB
----------------------------	--------

*1 GB equals 1 billion bytes. Actual user experience 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-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

Dimensions (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-256G IP SECURITY SD CARD 256GB

256 GB industrial SD card with health status monitoring

Order number **SD-256G**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Platz 1
D-70839 Gerlingen

North America:
Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943