



The Card That Never Sleeps

Growing edge storage in AI-enhanced video security applications

Technology innovations like 5G, artificial intelligence (AI) and the Internet of Things (IoT) are driving growth in AI-enabled cameras in video security applications and data storage at the edge.

Micron's microSD card is specifically designed for handling continuous high-quality video recording and multiple AI capture events concurrently.

Adopting edge storage through the microSD card can enhance video security system performance by enabling flexibility and scalability, and by reducing network bandwidth requirements and lowering the total cost of ownership.



Micron Industrial microSD 256GB



Micron Industrial microSD 512GB



Micron Industrial microSD 1TB



Micron Industrial microSD 1.5TB

Based on specific bit rate for each capacity (see data sheet for more details).

Why Micron Industrial microSD Cards for Edge Storage Applications

High Endurance (32GB to 1.5TB)

Supports up to 5 years of high-quality, continuous, 24/7 video recording and up to 4 months of storage with the highest-capacity microSD card in the world.

Outstanding Recording Performance

The optimized design delivers sustained performance for concurrent 4K video recording and up to 8 AI capture events every second.

Industrial Quality

Reliable high quality provides a 2 million hour mean time to failure (MTTF) rating, plus 5-proof protection encompassing water, shock, x-ray, magnet and impact.

Smart Management

Health monitoring tracks usage and card health, and the field firmware update provides a secure way for the card to be updated remotely when needed.

Micron® Industrial microSD Cards

Family	Model	Part Number	Density	Package	Interface	Performance	Endurance	Operating Temperature
Industrial microSD Card	i400	MTSD064AMC8MS-1WT	64GB	microSD	SD 3.0 UHS-1	U3, A2, Class10	24/7; 5 years	-25°C to +85°C
		MTSD128ANC8MS-1WT	128GB			U1, A2, Class10		
		MTSD256ANC8MS-1WT	256GB			U3, A2, Class10		
		MTSD512ANC8MS-1WT	512GB					
		MTSD1T0ANC8MS-1WT	1TB					
		MTSD1T5ANC8MS-1WT	1.5TB			U1, A2, Class10		
	i300	MTSD128AKC7MS-1WT	128GB					
		MTSD256AKC7MS-1WT	256GB				U3, A2, Class10	
		MTSD512AKC7MS-1WT	512GB					
		MTSD1T0AKC7MS-1WT	1TB					
	i200	MTSD032AQC6MS-1WT	32GB				U1, A1, Class10	
		MTSD064AQC6MS-1WT	64GB					

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