

The Card That Never Sleeps



Growing Edge Storage in Video Surveillance Applications Requires Industrial-Quality Memory

Edge storage technology — the recording of video and storing it in the camera instead of in a centralized recording facility across the network — is quickly gaining acceptance and is being more broadly adopted into IP video surveillance applications.

Selecting a microSD card specifically designed for IP video surveillance cameras can bring more value and enhance system performance by providing recording redundancy and optimizing network load reduction. In addition, it's enabling deployment of NVR-less architectures with lower TCO benefits.

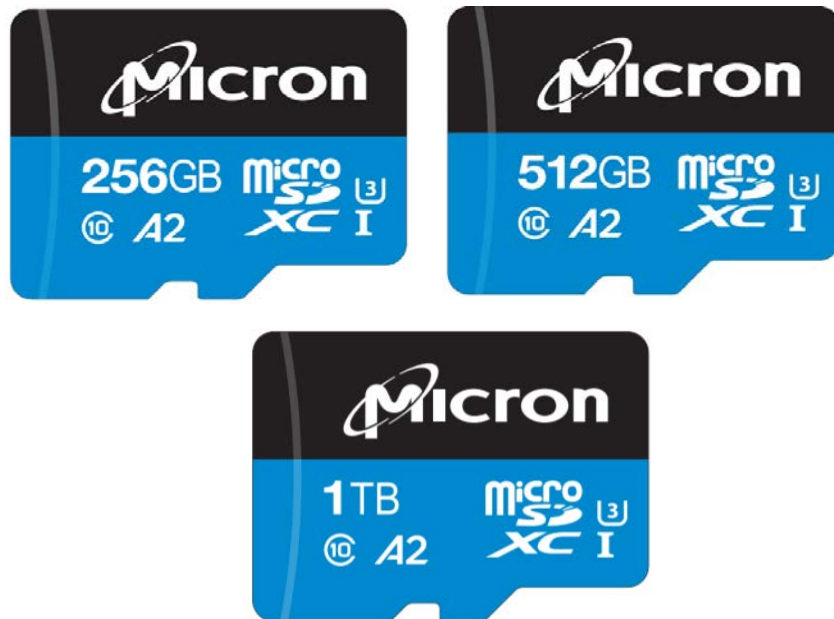
Why Micron Industrial microSD Cards for Edge Storage Applications

1. **High Endurance (32GB to 1TB)**
Support for 3 years of high-quality, continuous 24/7 video recording.
2. **Outstanding Recording Performance**
Optimized firmware provides stable performance for 24x7 high-quality video recording with minimal frame drops.
3. **Industrial Quality**
Reliable, high quality with 2 million hours mean time to failure (MTTF) or an annualized failure rate of 0.44%; 2X the reliability of surveillance HDDs used in NVRs today.
4. **Smart Tool for Health Monitoring**
Health monitoring feature for IP camera integration reports card usage and lifetime remaining and can be integrated into system software to alert end users.

Micron® Industrial microSD Cards

Family	Model	Part	Density	Package	Interface	Performance	Endurance	Operating Temperature
Industrial microSD Card	i200	MTSD032AHC6MS-1WT	32GB	microSD	SDA 3.0 UHS-I	U1, A1, Class 10	24/7; 3 years*	-25°C to 85°C
		MTSD064AHC6MS-1WT	64GB	microSD	SDA 3.0 UHS-I			
		MTSD128AHC6MS-1WT	128GB	microSD	SDA 3.0 UHS-I			
		MTSD256AHC6MS-1WT	256GB	microSD	SDA 3.0 UHS-I			
	i300	MTSD128AKC7MS-1WT	128GB	microSD	SDA 3.0 UHS-I	U1, A2, Class 10		
		MTSD256AKC7MS-1WT	256GB	microSD	SDA 3.0 UHS-I	U3, A2, Class 10		
		MTSD512AKC7MS-1WT	512GB	microSD	SDA 3.0 UHS-I			
		MTSD1T0AKC7MS-1WT	1TB	microSD	SDA 3.0 UHS-I			

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



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