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, optimizing network load reduction and lowering overall TCO.

Why Micron Industrial microSD Cards for Edge Storage Applications

1. High Endurance
   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

### microSD Cards Parts Table

<table>
<thead>
<tr>
<th>Family</th>
<th>Part</th>
<th>Density</th>
<th>Package</th>
<th>Interface</th>
<th>Performance</th>
<th>Endurance</th>
<th>Operating Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial microSD Card</td>
<td>MTSD032AHC6MS-1WT</td>
<td>32GB</td>
<td>microSD</td>
<td>SDA 3.0 UHS-I</td>
<td>U1, A1, Class 10</td>
<td>24/7; 3 years*</td>
<td>-25°C to 85°C</td>
</tr>
<tr>
<td></td>
<td>MTSD064AHC6MS-1WT</td>
<td>64GB</td>
<td>microSD</td>
<td>SDA 3.0 UHS-I</td>
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<td>128GB</td>
<td>microSD</td>
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<td></td>
<td>MTSD256AHC6MS-1WT</td>
<td>256GB</td>
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<td>SDA 3.0 UHS-I</td>
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<td></td>
</tr>
</tbody>
</table>

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

### Contact Us

Visit [micron.com](http://micron.com) for more details on microSD card solutions. Contact your Micron sales representative with questions or for samples and support.

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