
[FAQ]

Supported Types of Micro SD Cards for GV-IP Cameras

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Applied to

GV-IPCAM H.264 Series

Summary

The GV-IPCAM H.264 Series supports memory cards of the following specifications only and does not support SDXC and UHS-I card types:

- **Micro SD/SDHC** Format
- **Version 2.0**, Speed **Class 10**

For better efficiency and stability of your GV-IP Camera, it is recommended to use the **Micro SD card of MLC NAND flash** instead of TLC flash memory and apply a **battery backup** (UPS) to avoid power outage.

For a 32 GB flash memory used for full recording at 8 Mbit/s, occupying approximately 84 GB each day, the life span of the memory card can be estimated:

- **MLC:** 634 days (32 GB x 10000 write times (theoretical value) / 84 GB / 3 (practical value) / 2 partitions)
- **TLC:** 63 days (32 GB x 1000 write times (theoretical value) / 84 GB / 3 (practical value) / 2 partitions)

When using a memory card for recording, mind the following:

- Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment, or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
- The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
- Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly.
- Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.

Identifying the Card Type

For an overview of the card type, refer to the figure below.

