Performance-Guide

How to achieve 1000 FPS @ Full HD in the Ultimate Edition from V15

1. Hardware requirements

- **Processor**: Use of a current Intel® Core™ i7 processor or an equivalent AMD CPU with comparable performance.
- **Graphics processor**: Use of an NVIDIA® RTX™ 5060 with 16 GB of dedicated graphics memory or a more powerful NVIDIA® GPU.
- **Storage**: Separate SSDs for the operating system and video data.
- **Storage reserve**: There should always be a buffer of approximately 5% free storage space on the recording media.
- **Load balancing**: Camera streams should be distributed across multiple physical storage devices. For HDDs, a general guideline is 16 cameras per hard drive.

2. Operating system and security policies

- **Operating system**: Windows 11 or Windows Server 2025.
- **Security software**: Whenever possible, use Windows Defender. The use of third-party antivirus solutions should be strictly avoided.
- **System services**: Disable the Windows indexing service for recording directories to avoid unnecessary background activities.

3. Video and recording parameters

- **Video compression**: Use H.265 instead of H.264.
- **Camera integration**: Connect the cameras preferably via the ONVIF protocol. This allows for optimal frame rate configuration through the go1984 application.
- **Recording strategy**: Continuous recordings should be avoided whenever possible. Event- or motion-based recordings are more performance-efficient and resource-friendly.