

## Release Notes MULTIEYE 3.3.1

The latest MULTIEYE 3 Release V.3.3.1 is now available online. This can be installed as usual via "Software Downloads" (<https://www.multieye.com/de/service-support/#software>) or via LiveUpdater and is executable with an existing V3 license (MUG3). The release essentially offers three new features and improvements.

### Encryption, inquiry and access security

Due to the massive spread of IP-based video surveillance systems and their networking, the requirements for inquiry security of software and data carriers by unauthorized persons and organizations as well as protection against cyber attacks have increased enormously. The most effective measures are on the one hand the encrypted communication between the components of the systems, the access and user authorizations, the encryption of the recordings, the proof of manipulation of exported video data by digital watermark fingerprint as well as the physical protection of the recording systems. Up to now, the encryption of recordings has been optionally performed by third-party software components. In the new release 3.3.1. AES-256 encryption is now integrated as standard and can be activated per camera. All other software features were already included in previous versions. Certain MULTIEYE video recorders and servers have lockable front panels and hard drives.

### New option for display quality

Up to now, only CPU-resource-saving methods were used for resizing images from live streams and for subsequent display on the monitor. Now this scaling method can be adjusted per camera in the image settings of the recorder configuration. Especially with the Lanczos method, very good results are achieved at any scaling factor. It should be noted that the CPU load on the recorder and the clients can vary greatly depending on the selection.

### Metadata search in VideoCenter III

The VideoCenter III is a central interrogation station which can simultaneously communicate with up to 32 MULTIEYE recorders locally as well as decentrally. In many cases, the recorders are connected with MULTIEYE ANPR license plate recognition, cash register and access control systems as well as EAN/QR scanners and other components of third-party systems. The systems supply metadata which can be evaluated via the MULTIEYE DataLog interface. Up to now, evaluation and searches have been carried out exclusively via the MULTIEYE MultiPlayer, but now the metadata search (e.g. for package tracking) can be carried out on 32 recorders and thus from up to 1024 cameras directly in VideoCenter III.

### Further improvements

- Fixed buffer overflow of source modules on WIN10 2004 systems.
- Fixed problem with RTSP query with # character in password.
- Reconnect behaviour of the VideoClient improved.
- AutoBackup again creates non-existent directory structures.
- New option for display quality in image settings.
- Fixed occasional crash when disabling cameras.
- Integrated encryption (AES-256) for recordings.
- PTZ control permissions in LiveViewer adjusted.
- Private zones were not considered when printing the configuration.
- The title and status bar in MultiPlayer were not complete at low monitor resolutions
- Additional user rights for viewing system events.
- Agent server function also possible with subunit license.
- VideoCenter: Site plan object design improved, DataLog metadata search integrated, extensions for integrating Sensors, access violations of hotspot triggers via HTTP alarm server fixed and alarm server command length increased.

Diepholz, d. 25.09.2020