

CamIQ[®] 9 Satellite



CamIQ Satellite is a modern, reliable and convenient video surveillance solution for different application scenarios.

In the latest version, up to 256 cameras (4x64) can now be used per server (PC). All functions of a CamIQ instance can be used with the included standard Client. The CamIQ Enterprise Client is optionally available for installations with several CamIQ server instances.

The ergonomically designed user interface of this product allows the user to operate the system easily and intuitively. The configuration of the system is logically structured in every aspect, and the CamIQ Wizard allows for quick and easy basic configuration. It is possible, additionally, for the configuration to be extensively customized to meet customer-specific requirements. Special attention was paid here to the implementability of the data protection requirements (e.g. GDPR). The prevalent standard functions for event-triggered or continuous video recordings are complemented by additional options, such as the subsequent analysis of recorded images and practical responses (e.g., switching relays, sending email, etc.).

By coupling the CamIQ installation with independent alarm systems (with an intrusion detection system, for example), a fast visual transmission can be established when the event notifications occur. In addition, a CamIQ CMS Connect compatible surveillance center can provide a videostream connection to external service providers.

For connections with low bandwidth (e.g., VPN), a fast operation of the evaluation software is possible by Advanced H.264 Multi-Streaming (or the switchable dynamic recompression of the image data).

For larger or distributed installations (e.g., for several branch offices or production sites) CamIQ Satellite is used as a centrally controlled server in the CamIQ net concept and increases operational security by assuming the role of an independently functioning local unit.

Practically any number of CamIQ Servers can be connected to a CamIQ Enterprise System in the CamIQ net concept.

In addition to the benefits of using low bandwidth capacity and better data privacy protection, the distributed design also eliminates the risk associated with single points of failure. The structure of the CamIQ net ensures that the system can be managed centrally.

With the CamIQ Integrated-Failover-Cluster (based on the Failover Option), requirements for high reliability can be realized economically and technically. This eliminates the need to purchase extra hardware for failover operation while at the same time optimizing the load distribution of the systems in normal operation. It can operate in computer centers with the appropriate supporting tools.

The CamIQ servers can be specifically adapted to individual customer needs or industry requirements via numerous expansion modules.

HIGHLIGHTS

- » Up to 256 cameras per PC (4 instances of 64 cameras each) on one hardware platform
- » Active Directory integration
- » CamIQ AI Analytics - AI supported image analysis (option)
- » ONVIF integration of metadata from cameras (option)
- » Encrypted camera streams via SRTP/RTSPS & HTTPS
- » Token-based authentication for controlled remote access (e.g., by central monitoring stations)
- » Comprehensive user management and data privacy protection functions
- » Failover concept for increased availability (option)
- » Advanced H.264 CamIQ Multi-Streaming
- » Central configuration backups (automatic and manual)
- » High performance, developed and optimized for multicore processors
- » Ideal platform for distributed installations and branch operations
- » Flexible extension options with add-on modules and open programming interface (CamIQ API/SDK)
- » Enables GDPR-compliant operation
- » Made in Germany

GENERAL FUNCTIONS

- » Automatic detection and configuration of cameras during installation (for supported camera models)
- » Encrypted camera streams via SRTP/RTSPS & HTTPS
- » Automatic migration of pre-set images sources (for supported camera models)
- » Scalable licensing model from 1 camera, expandable through additional licenses to a total of 64 cameras/ tracks per server and up to 256 cameras on one PC
- » Extensive data protection functions for live images and recordings (for GDPR compliant operation)
- » Robust client/server architecture, diverse possible applications and combination of the advantages of modular construction and central administration
- » Software is developed and optimized for multiprocessor systems/multicore processors
- » Sabotage detection of image sources (connection interruptions)
- » Free allocation of alarm contact and relay to a camera
- » Videocodec for image sources: H.264, M-JPEG
- » RSX format for audio recording (option) and higher capacity per camera track (10TB)
- » CamIQ Web Client (via HTTPS; no Plugins necessary)
- » Failover concept (option)
- » Long-term-recording (construction progress documentation)
- » Mini site plan
- » Receive/ Send live audio streams with compatible cameras (option)
- » Export of recordings from player (Types: RSX (AES-256 encrypted) as conversion in MP4 & JPG)
- » Language support in German, English, Dutch (more languages upon request)
- » Central configuration backups (automatic and manual)
- » CamIQ App for iPhone* and iPad* (option)

LIVE IMAGE DISPLAY

- » Live image views: 1, 4, 9, 13, 16, 25, 33, 36, 49, 64-fold
- » Image activity display for each camera
- » Virtual zoom on image detail
- » Fluid frame rates (up to 100 fps); dependent of the hardware, image sources and number of cameras used
- » Relay switching
- » Control of PTZ cameras and domes via patented control field and/or joystick (see compatibility list)
- » Playback of audio files (wave files) in alarm event
- » Manual recordings from the live image view
- » Automatic assignment of cameras in alarm event
- » Operation in background until alarm event occurs (e.g., doorbell)
- » Display of images with 4:3 / 16:9 / 16:10 and other common resolutions as well as special formats
- » 9-fold view with automatic display of connected neighboring cameras configurable
- » List of favorites for quickly assigning stored views
- » Alarm preview list in live image
- » Adjustable filter for the event list (e.g., special alarms or cameras)

INTEGRATED SENSOR FUNCTION

- » Simple motion detection across up to 16 zones per camera in the basis scope of delivery (80 x 60 grid)
- » CamIQ AI Analytics - AI supported image analysis (option)
- » ONVIF integration of meta data from cameras (option)

- » Interactive configuration with live image and convenient drawing functions
- » Complex alarm scenarios (e.g. linking motion zones with pre-alarm zones and alarm contacts, also across multiple cameras)
- » Convenient live display of trigger threshold values per sensor field while programming and live image display
- » Calendar-based activation of configuration for alarm processing
- » External arming via contacts or CamIQ API/SDK

EVENT PROCESSING

- » Recording of sequences incl. pre-alarm images
- » Switching to higher recording speed
- » Switching of relays
- » Blocking recorded sequences in the ring memory
- » Audio playback in alarm event
- » Forwarding to primary management software e.g., CamIQ 6 Enterprise or facility management software via CamIQ SDK/API
- » Notification from remote stations (surveillance centers) via CamIQ CMS Connect as well as over supported external protocols
- » Convenient calendar function for recording and handling events (e.g., management of holidays)
- » Execution of user defined scripts/macros

SENDING MESSAGES

- » Email message with attached image
- » SNMP Interface (Simple Network Management Protocol)

USER MANAGEMENT / ADMINISTRATION

- » Token-based authentication for controlled remote access (e.g., by central monitoring stations)
- » Active Directory Integration
- » Role-based permissions assignment for users (unlimited amount of users for up to 32 roles)
- » Detailed assignment of user rights for functions and access to camera live image and recording
- » Adaptation of the user interface: only authorized functions visible
- » Access to system functions and task bar can be restricted
- » Comprehensive protocols for system status including export function
- » Configuration-/ calendar-based access to live image and evaluation
- » Event-controlled access right for specific period access before and after an event (for live image and recording)
- » 4-eyes principle
- » Bandwidth optimization for remote access to high resolution images (Transcoding on demand)

SEARCH FUNCTIONS (EVALUATION FUNCTIONS)

- » Clear lists of events with preview images and filter-/ grouping function
- » Searches for camera, time, event and action
- » Subsequent searches via freely defined search fields in permanent recordings
- » Selectable playback and reverse playback speeds
- » Zoom function (zoom on image detail) also during playback
- » Export assistant for transferring individual images and sequences including viewer
- » Printing of alarm images
- » Synchronized playback of multiple recordings
- » Assignment of adjacent cameras from camera list or site plan
- » Event-controlled access right for users