

CamIQ® 8 Satellite



CamIQ 8 Satellite is a modern, reliable and convenient video surveillance solution for different application scenarios.

**As a stand-alone system CamIQ 8 Satellite can analyze and record up to 64 cameras simultaneously.
In larger installations, parallel operation of multiple servers provides excellent scalability.
Demands for increased reliability can also be easily realized with the flexible CamIQ Failover concept.**

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 new 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). In case of low bandwidth connections between CamIQ Client and CamIQ Servers, this allows you to transmit live images continuously with fast image updates and simultaneous high-quality recording of the image sources on your CamIQ Server.

For larger or distributed installations (e.g., for several branch offices or production sites) CamIQ 8 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.

The integrated failover-concept (option) can meet increased security demands for complete monitoring and recording capability (e.g., in the area of money counting or production monitoring). It can operate in computer centers with the appropriate supporting tools.

Numerous expansion modules for external detection, people counting or direction detection, for example, allow CamIQ Servers to be specifically adaptable to customer needs or industry demands.

HIGHLIGHTS

- » CamIQ AI Analytics - AI supported image analysis (option)
- » Token-based authentication for controlled remote access (e.g., by central monitoring stations)
- » Advanced H.264 CamIQ Multi-Streaming
- » Central configuration backups (automatic and manual)
- » Comprehensive user management and data privacy protection functions
- » 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)
- » Failover concept for increased availability (option)
- » Integrated sensory system and precise detection with optional object size detection, people counting and direction detection etc.

GENERAL FUNCTIONS

- » Automatic detection and configuration of cameras during installation (for supported camera models)
- » 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
- » 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 alarm list (e.g., special events or cameras)

INTEGRATED SENSOR FUNCTION

- » 4,800 sensors per camera (80 x 60 grid)
- » CamIQ AI Analytics - AI supported image analysis (option)
- » Simple configuration of alarm zones (up to 16 zones per camera)
- » Interactive configuration with live image and convenient drawing functions
- » Complex alarm scenarios: Alarm zone link is possible 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
- » Extended Detection (CamIQ Detection) to reduce false alarms (option)

EVENT PROCESSING (ALARM ACTIONS)

- » Recording of alarm sequences incl. pre-alarm images
- » Switching to higher recording speed
- » Switching of relays
- » Blocking recorded alarm 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 (see data sheet CamIQ CMS Connect)
- » Convenient calendar function for recording and handling events (e.g., management of holidays)
- » Execution of an integrated script/macro

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)
- » 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