

CORTROL Software Features by Edition

(v1.33 June 2026)

Category	Functionality	Premier	Global		
General	Simultaneously connected channels	9/16/24/72/96	Unlimited		
	Licensed channel types	Video, VA, CrossLink, data channels, other special channel types			
	Licensing type: channel-based	Per server	Centralized		
	Licensing type: perpetual with support update plan (SUP)				
	Licensing: special features				
	License management: online/offline				
	License upgrade options			Available	Available, channel packs
	Technical support			2 years for the last installed version	
	Version updates			2 years after license activation	
	Support and update subscription plan			+1, +2, +3, Premium Lifetime	
	Software version life cycle			2 years after major release date	
	New version installation packages			Website	Issued per customer
	License manager	Local			
	Update plan subscription expiration and trial expiration notifications	For all connected clients			
	Free 45-day trial	Once per each server	Unavailable		
	Installation	Unlimited archive size and duration	Unlimited (storage limitations apply)		
		32-bit and 64-bit installation packages for all components			
		Supported OS: Microsoft Windows 10/11, Windows Server 2019, 2022, 2025			
		Virtual machine support			
Step-by-step installation wizard					
Installation guides and software documentation		Available			
Interface localizations: Czech, Chinese (Traditional), Chinese (Simplified), Dutch, English, French, German, Hungarian, Indonesian, Italian, Japanese, Korean, Latvian, Polish, Russian, Spanish, Thai, Turkish, Malay, Portuguese, Ukrainian, Serbian					
Cloud Services	Cloud connector service: simplified remote connection to servers	Available (beta)			
	For the Console and Client connections				
	Secure tunnel connection to servers behind NAT and firewall				
	Data re-streaming via cloud if impossible to establish direct connection				
	Server registration in the cloud using Google, Microsoft, or Apple account				
	Video sharing feature via URL (generated link)			Available (beta)	
	Simple and secure video sharing from the Monitor application				
	Separate user permissions for the video sharing				
	Share via email (optional) or via link (simplified)				
	Send the link to email(s) automatically				
See and copy the link manually (to send via messengers, etc.)					
Configurable limitations and security settings via Console					
Check the shared video list and manually remove sharing via Console					
2-Factor authentication to gain access to the video					
Server	Client application connections	Unlimited			
	Web application connections	Available			
	Mobile application connections	Available			
	HTTP API for third party integrations	Available			
	Designated Security System API for access control and security/fire/other alarm panel integration	Available			
	Connection encryption	Available			
	Encryption of all databases	Available			
	Archive encryption	Available			
	Local and remote management via dedicated interface	Per server	Centralized		
	Local software upgrade (server/clients)	Available			
	Remote server upgrade (managed server version update, client version update offer)	Not applicable	Available		
	Manual configuration backup and restore	Available			
	Automatic (scheduled) configuration backup	Available			
	Configurable destination for configuration backup	Available			
	Unlimited video stream resolution	Unlimited			
	Cameras and other devices supported via native drivers or ONVIF profile S	5000+ models, 140+ manufacturers			
	Generic device drivers: emulation, RTSP, ONVIF, HTTP, HTTPS, Web Page	Available			
	Support for interactive contents	Available			
	Support for remote Web applications (webpages) (direct output to client) (CrossLink)	Available			
	Device driver: remote Web application/Web page (CrossLink)	Available			
	Device driver: remote Desktop application (CrossLink)	Available			
	ONVIF Profile S conformance	Available			
	Analog PTZ protocols (RS-232, RS-422, RS-485)	Available			
	Support for video capture boards (analog-to-digital)	Available			
	Server auto discovery	Not applicable	Available		
	Service mode	Available			
	Software watchdog (software, system, storage performance monitor)	Available			
	GPU for rendering and decoding of live video and fisheye dewarp: H.264, H.265	Available			
	GPU test utility	Available			
Recording	Main and secondary video stream recording	Available			
	Edge recording (for some integrations and ONVIF Profile G devices)	Available			
	Supplementary streams: audio, motion data	Available			
	Supplementary streams: VCA metadata, text overlay (data sources)	Available			
	Supplementary data: bookmarks (separate database + policies)	Available			
	Bookmark severity levels with color tags	Available			
	Default bookmark colors with an option to reset to those	Available			
	Configurable time offset when creating bookmark as a server action	Available			
	Local storage support, JBOD/RAID	Available			
	Remote/network storage support, including NAS/SAN	Available			
	Dedicated storage (per channel, per channel group)	Available			
	Proprietary video archive format	Available			
	Storage encryption (password-protected)	Available			
	Encryption (password-protected) for server storage and archive backup	Available			
	Archive index recording using NTFS transactions (optional)	Available			
	Manual video archive backup	Available			
	Automatic video archive backup (replication)	Available			
	Smart replication based on the channel alerts	Available			
	File-by-file or frame-by-frame replication (continuous VS smart/partial recording)	Available			
Recording profiles – constant, by motion, by event, low FPS	Available				
Recording schedules	Available				
Custom (user) calendars	Available				
Emergency recording	Available				
Storage configuration: directories, quotas, retention, fallback	Per server				
Fallback storage (failover storage within server)	Per server				
Networking	Multiple network support	Not applicable	Available		
	Multicast support for selected devices	Available			
	Multicast support for server-client connections	Available			
	RTSP, HTTP, HTTPS, Modbus, native protocols for devices	Available			
		Available			

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Category	Functionality	Premier	Global		
Z	Configurable TCP and HTTP, HTTPS ports	Available	Available		
	Fallback storage: failover disk, one per server	Available			
	Channel replication: extra archive copy	Not available	Available		
	File-by-file replication (enabled by default for new installations)				
	Unlimited number of replicas for each channel				
	Different storage or server destinations for each replica				
	Configurable replication offset (days to go back)				
	Failover servers: move configuration to another server in case of emergency				
	Failover servers: 1-to-1, 1-to-N, N-to-1				
	Failover clusters: unlimited number				
	Automatic or manual server replacement				
	Automatic or manual server recovery				
	Configurable failover and recovery timeout	1 free channel per license			
	Central server mirror: failover for the central management server	Available	Available		
	Client auto re-connect to mirror and recording servers (direct)				
	Video walls and external services: centralized or directly on recording server				
	Per-server CORTROL Video Analytics (CVA) license				
	Built-in VA engines based on neural networks				
	Performance- and accuracy-oriented VA models				
	Accuracy vs performance settings to adjust hardware load				
Runs on Intel and AMD CPU					
CUDA (NVIDIA), Intel, and ADM GPU computing support					
VA for any and virtually unlimited number of channels	Only limited by hardware				
Redundancy	Real-time object detection and classification	Available	Available		
	Metadata overlay for live video and playback				
	E&A events for new VA object detection				
	CVA visual controls zones, lines, counters (configuration and Monitor display)				
	CVA: zone rules (enter/appear, exit/disappear)				
	CVA: counting line (crossed AB, BA, any direction)				
	CVA: zone counters (current number of objects in the zone)				
	CVA: use software counters for counter and zone rules				
	CVA: zone settings (object presence/absence, intersection threshold)				
	Server-side video analytics for any video channel				
	Detection and non-detection zones				
	Region of interest with multiple polygon ROI support				
	Counters				
	Object classification: vehicles, persons, animals				
	Configurable object presence/absence thresholds				
	Adjustable object intersection threshold (per zone/line)				
	Automatic reports (PDF) based on VCA counters				
	Manual reports in client application				
	Support for camera-side video analytics				
	Support for ONVIF camera-side video analytics with metadata video overlay				
Support for custom generic ONVIF event setup based on ONVIF communication					
Import and export for the user-defined ONVIF notification events					
Separate database for VA events and counters	Available				
Separate database for external recognition result history (from 3rd party sources)	Available	Available			
Dedicated configuration application					
Unified interface for all editions					
Touchscreen friendly interface (no right-clicks or hidden menus)					
All changes immediately applied and saved into the configuration database					
Local and remote server management			Available	Centralized	
Centralized management of multi-server systems			Not applicable	Available	
Copy existing items of the same type			Available		
Secure user login using 2FA (two-factor authentication) via email or SMS			Available	Available	
Login using external authentication providers - OAuth 2.0 (Google, Microsoft, Apple, Okta, generic)					
Quick setup wizard (contents depends on edition)					
Configurable columns per resource (show/hide, order)					
Freeze columns for convenient horizontal scrolling					
Show/hide Folder functionality (application-wide)					
Show/hide Folders' tree					
Show/hide internal object IDs (for API calls)					
Text search and object filtering for resource browsing					
Server login history (choose previous connection from drop-down list)					
Update plan subscription expiration notifications			Available		
Interface			Encryption for all databases and archive	Available	Available
	Encryption for all connections				
	128- and 256-bit AES encryption for archive and communication				
	Digital certificates: self-signed				
	Digital certificates: customer own (issued by authority)				
	Folders (hierarchical resource structure for access management via Console)				
	Folders: sub-admin roles based on location or other properties				
	Folders: administration access virtualization				
	Folders: full resource administration or read-only rights				
	Resource grouping (for all resources)	Available			
	Nested groups (multi-level grouping)	Available	Centralized		
	Internal user accounts	Available	Available		
	Option to disable user accounts at a specific time and date				
	Option to enable user accounts at a specific time and date				
	Use schedules and user calendars for user/user group login				
	Option to auto-disconnect user sessions if: disabled or password/token expired				
	AD (Active Directory) and LDAP support (external user import)				
	Automatic (synchronization) or manual management of AD users				
	2-factor authentication (2FA) for Console and Client login				
	OAuth 2.0 (Google, Microsoft, Apple, Okta, generic) for Console and Client login				
Cybersecurity dashboard (settings' summary)	Per server			Centralized	
Security	Cybersecurity report	Available	Available		
	Advanced and detailed permissions for all resources and all users				
	Flexible administration access permissions				
	Individual and per-group permissions				
	PTZ priorities for users and user groups				
	Server security policies				
	Audit log for server events and user actions				
	Flexible audit policy				
	Save audit to external DB (PostgreSQL, MySQL, Microsoft SQL Server)				
	NTP server settings (time synchronization)				

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Category	Functionality	Premier	Global
Console (Configuration)	Global permission to remove archive (disabled by default)		
	Remove archive protection		
	Separate access to recent archive (configurable interval)		
	Configuration import from database	Available	Centralized
	Configuration import from XML (migration from old VMS)		
	Device auto discovery	Available	
	Add devices manually one by one		
	Bulk add devices	Not available	Available
	Copy existing devices		
	Bulk edit (change device and channel settings)		
	Change device model (when replacing camera)		
	Detach/attach channels from/to devices (channel settings preserved)		
	Automatically create channels for added devices	Available	
	Fast navigation: jump from device to linked channel and back		
	Smart device deletion: automatically remove related channels and rules		
	Quick device actions: assign server, recording configuration		
	Audio source: device (line in or built-in microphone)		
	Audio source: microphone connected to the server		
	Audio source: combine audio and video from different devices	Available	
	Audio OUT – for two-way audio device integrations		
	Motion detection: from device		
	Motion detection: server side, high accuracy or high performance mode		
	Digital input (DI) support	Available	
	Digital output (DO, relay output) support		
	Dewarp for fisheye cameras		
	Native dewarp for Immervision Enables® Panomorph lenses		
	Configure channel properties (codec, resolution, bitrate, FPS)		
	Channel properties: frame adjustments (brightness, contrast etc.)		
	Configure channel overlay: shortcuts, data overlay, VA items, indicators	Available	
	Interactive channels overlay as resource shortcuts for the Client app		
	Copy-paste overlay items (if applicable)		
	Passive channel mode: only stream from device to server when a client requests it (saves traffic)		
	Hybrid mode: passive mode with service connection ON (PTZ, metadata) for ONVIF and RTSP		
	Layout templates: custom grid		
	Layout templates: up to 100 viewports, from 1x1 to 20x5	Available	
	Shared layouts (stored on the server)		
	Groups for shared layout management	Available	Centralized
	Maps based on popular image formats (JPG, JPEG, PNG, BMP, GIF, TIFF)		
	Geo maps based on world map (©OpenStreetMap)		
	Geo maps: lock region		
	Map markers: channels, map links, user buttons, layouts, doors, indicators, webpages		
	Map markers: links to control panels		
	Map markers: channel markers with view area		
	Map markers: security items	Available	
	Bind items from security systems to icon markers and 2D zones		
	Channel markers: an option to link with indicators + use indicator color for alerts		
	Map markers: copy and paste configured markers within the map		
	Map marker icons: search based on keywords/categories		
	2D polygon zones linked to indicators and/or to user buttons		
	Multi-layer maps (interlinked)		
	Control panels: monitoring dashboards (row view)		
	Server monitoring: online/offline servers/channels, server resource usage		
	Channels: online status, video loss time		
	User buttons: interactive (clickable)		
	Indicators: status	Available (beta), per server	Available (beta), centralized
	Conditions (E&A): ON/OFF (interactive)		
	Counters and variables: value		
	Map markers (shortcuts to control panels)		
	Separate permission to view and to execute related interactive actions		
	User buttons: software buttons for action triggering		
	Link user buttons to channels on the fly or permanently	Available	
	User button markers for maps and geo maps		
	Available in client application and mobile applications		
	Interactive live video channels from remote Web applications/Web pages		
	Interactive live video channels from remote Desktop applications		
	Recording of remote Web applications		
	Recording of remote Desktop applications		
	Frontend integration third-party applications running on Linux/macOS		
	Remote Web applications can be opened as dedicated tabs in the Client app		
	Remote Web applications can call Monitor API functions (pop up live/playback, etc.)		
	Users can save images, video files, and PDF/CSV files from the interactive Web channels	Available, additional license	
	Users can save exported video files from CrossLinks (e.g., NVRs)		
	File upload to the CrossLink webpages		
	Crosslink tab grouping in the Monitor application (based on Visual groups)		
	Nested browsing of CrossLink tab structure via Visual Groups		
	Users can define CrossLink icons for their appearance in the resources and tabs in Client		
	Interactive Web channels can produce window popups		
	Interactive Web channels can access local media (camera, microphone, screen capture)		
	Internal groups for permissions management		
	Visual groups: channel grouping for client application and mobile apps	Available	
	Visual groups: channel grouping for archive backup wizard		
	Multi-layer visual groups (nested, tree view in the client application)		
	Live podcasts: stream channel over RTMP	Unlimited	
	Stream to YouTube, Wowza, or generic RTMP service		
	Video and audio over RTMP	Available	
	Built-in RTSP streaming server		
	Live video (main and substream) and audio over RTSP	Unlimited	
	Access to RTSP streams with authorization	Available	
	H.264, H.265, MJPEG over RTSP		
	Mail servers: configurable, unlimited		
	For event notifications and automated reports		
	Report sending via email		
	Email notifications	Available	
	Email notification with snapshots from main or secondary stream		
	Aggregation based on time or number of events		
	Support for public and own SMTP servers		

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Category	Functionality	Premier	Global	
Quick access	Security: none, STARTTLS, SSL/TLS			
	2FA (two-factor authentication) via email			
	Pre-configure short alphanumeric IDs for quick access in Client			
	Text, numbers, or mixed IDs (number-only IDs, e.g., for i-PRO CCTV keyboard input)		Available	
	Customizable IDs for channels, layouts, user buttons, maps, crosslinks, data channels			
	Support for GSM modems (hardware connected to server)			
	Event triggered by incoming SMS (text/regex)		Available	
	Action to send an SMS message with configurable text			
	2FA (two-factor authentication) via SMS			
	Automatic reports from VCA and software counters			
	Automatic reports based on the External service data			
	Manage counter's data (remove history from database)			
	Software counter actions for any event: increment, decrement, reset to 0			
	Automatically compile and email daily/weekly/monthly reports			
	Configurable time range (filter)		Available	
	Configurable report type (bar, line, pie diagram)			
	Configurable filters for the external service data			
	Health reports based on Audit log problems			
Health reports based on user-defined events				
PDF or CSV file format				
Video Walls	Any number of video walls: no additional fees			
	No middleware or additional drivers required			
	Configurable grid (up to 100 displays per video wall)			
	Remote management			
	Automatic contents assignment (scheduled or popup based on events)	Not available	Available	
	Sync with intercom calls (Comment)			
	Tiled video wall: stretch single screen on up to 9 physical displays			
Centralized or per-server				
No extra load on the server or client machines				
Audit	Audit policies		Available	
	Keep track of all server events			
	Keep track of all user actions	Per server	Per server and centralized	
	Problems section: highlight critical issues			
	Emailed reports based on problems and user-defined events		Available	
	Detailed audit for archive access (playback, export, snapshots)			
	Detailed audit for user login with stating the exact reason for unsuccessful login			
	Forward all audit events to the pre-defined Syslog server	Available	Available, per-server or centralized	
	Search audit log			
	Search filters based on time, user, server, resource, or event type			
	Separate Problems section that highlights important issues		Available	
	Separate database			
	Export search results into CSV format			
	Monitoring	Live status of all server resources		Depending on server capabilities
		Indications of errors		
		Indications of warnings (low impact errors) with an option to hide		
		Server status and performance monitoring		
		Device health		
Channel status, stream properties and setting overview			Available	
Streams: recording status and destination				
Archive statistics				
Storages: availability, encryption, disk queue				
EVA: detailed monitoring for built-in video analytics				
User sessions, connection type				
Video wall connections		Not applicable	Available	
External service connections				
Reports: status, last/next execution time			Available	
Access control: door status				
OPC connections and status				
Indicators: current state				
Tools		Problem report wizard for contacting support engineers		
	Problem report wizard: typical problems – tree-like reporting			
	Problem report wizard: custom (free-form) problem description		Available	
	Problem report wizard: append problem snapshots			
	Problem report wizard: save report or send automatically			
	Server setup wizard: change server TCP port and name			
	Server setup wizard: reset recording server configuration			
Remote upgrade (HTTP/HTTPS) and server status/version	Not applicable	Available		
Data Sources	Accept serial text from TCP/UDP/COM			
	Accept text from POS systems			
	Split text between multiple channels			
	Text overlay for any video channel, configurable output			
	Highlight new lines in the data visualization		Available	
	Keywords (variables) for triggering events			
	Data channels: data-only channels for serial text visualization			
	Time series databases optimized for data channels			
	Import data source profiles (including mappings) and databases			
	Export data source profiles (including mappings) and databases			
HTTP API	External services: API integrations			
	Camio integration (as external service)			
	FR: face recognition connection	Per server	Per server or centralized	
	LPR: license plate recognition connection			
	Two-way event and action flow			
Receive, store, and search for external metadata (events, objects, attributes, description)				
tem integrations	Dedicated API/SDK and samples for third-party security system integrations			
	Keri Doors. NET			
	KEEP by Feenics			
	Gallagher Command Centre			
	Visual Access System (GSF Corporation)			
	Roger RACS 5			
	Paxton Net2			
	NEDAP AEOS			
	Inner Range Integriti (updated)			
	Kantech Entrypass			
	SATEL Integrum			
	RISCO fire alarm panels			
Doors: events, actions, permissions, map markers	Per server	Centralized		

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Category	Functionality	Premier	Global		
Cont	Security Sys	Associate doors with video channels			
		Items: security partitions, zones (inputs), and outputs			
		Events from and actions from partitions, zones, and outputs			
		Associate video with security items			
		Configurable severity levels for the security systems (12 levels)			
		Configurable severity level colors for the item state (armed/disarmed, etc.)			
		Interactive map markers for all security items			
		Access control system events			
		Cardholders			
		Textual search in the client application			
		Event notifications from access control software (status codes)			
		Actions related to access control (change door status etc.)			
		MQTT	MQTT protocol support	Available	
			MQTT Client functionality (can add any number of fully functional MQTT clients)	Available	
			Event triggered based on incoming MQTT message (text/regex)	Available	
Modbus & OPC	Action to send MQTT message	Available			
	OPC client functionality	Per server			
	Two-way integration (events and actions)	Per server			
	Support for any OPC server software (OPC-DA)	Per server			
	Modbus client functionality	Per server			
	Read and write single digital input and digital output (DI/DO) values (coils, outputs)	Per server			
	HEX mask and Boolean logic support for the event-triggering bit setup	Per server			
Events and Actions	Rules	Read and write multiple DI/DO values (registers)	Per server		
		Support for any appliances operating via generic Modbus	Per server		
		Automated event-action scenarios	Available		
		Per-server configuration	Available		
		Event & Action Configurator	Available		
	Built-in Events	Quick basic event setup via quick setup wizard	Available		
		Display the list of all rules from all servers	Available		
		Central server connected	Not available	Available	
		Central server disconnected	Not available	Available	
		Single recording error	Available		
		Recording recovered	Available		
		Fallback storage activated	Available		
		Disk excluded from recording	Available		
		Video lost/restored (per channel)	Available		
		Motion event (present/started/stopped)	Available		
Configurable Events	Auxiliary device event (for non-video devices like Satel etc.)	Available			
	Failover node activated	Available			
	Global event (visible to all servers)	Not available	Available		
	User button clicked	Available			
	Custom channel event (triggered by URL), three for each channel	Available			
	Digital input state changed	Available			
	VCA event (software-side or camera-side)	Available			
	Events from external services (LPR, FR recognitions, API events)	Available			
	Scheduled event: automatically raise event based on a timetable	Available			
	Scheduled event: automatically raise event every N minutes	Available			
Default: Actions	Variables: react to certain keywords from data sources (POS or other)	Available			
	Camera-side variable value	Available			
	Software and camera-side counter value	Available			
	CVA (CORTROL Video Analytics) counter, zone, or line event	Available			
	Video wall events (video wall state changed)	Not available	Available		
	External events: accept HTTP requests from third party	Available			
	MQTT event (event triggered by incoming MQTT message)	Available			
	Incoming short message event (event triggered incoming SMS)	Available			
	Alarm escalation based on alarm escalation rule	Available			
	OPC server events	Available			
	Security system and security item events (for zones, partitions, outputs)	Available			
	Door events from access control integrations	Available			
	Generate alert for main and substream recording (alert based recording)	Available			
	Trigger global event	Not available	Available		
	Configurable Actions	Pop up object on screen	Available		
Pop up playback on screen		Available			
Set/unset condition		Available			
Change software counter state (increment/decrement/reset)		Available			
Disable/Enable/Toggle channel (server event)		Available			
Disable/Enable channel's video analytics (server event)		Available			
Change recording profile for main and secondary stream		Available			
Activate PTZ tour		Available			
Activate PTZ preset		Available			
Change digital output state		Available			
Device action (device-specific actions like arm/disarm)		Available			
Create bookmark		Available			
Change access control state (system action to send event to AC, e.g. for Gallagher's Patterns)		Available			
Change door state (from access control integrations)		Available			
Security system and security item related actions (for zones, partitions, outputs)		Available			
Change OPC server node value	Available				
Pop-up object on video wall (channel or map)	Available				
Highlight object on map or geo map	Not available	Available			
External service (for API integrations)	Available				
Send email notification	Available				
Send email notification with attached main or substream snapshot	Available				
Run program (any executable file or shell script)	Available				
Send SNMP trap to third-party SNMP manager	Available				
Send event to client application (text or audio)	Available				
Send push notification to mobile apps	Available				
Send audio file to camera for playback (audio OUT)	Available				
Write to software audit log	Available				
Write to OS application log	Available				
Send HTTP/HTTPS request (URL)	Available				
Export snapshot to local storage or FTP	Available				
Send MQTT message	Available				
Send SMS (outgoing short message via GSM modem)	Available				
Rule timers: delay, aggregate, cooldown (pause)	Available				
Conditions: combine two or more events to trigger a single rule	Available				
Action target: use universal actions for many different target resources	Available				

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E&A Extras		Rule schedules: activate during specific hours		
		Configurable alarm escalation rules (based on bookmarks)		
		Alarm escalation based on: resource, alarm severity, state, and/or inactivity period		
		Escalation actions: set severity and/or state, add comment		Available
		Alarm escalation rules: effective date (process existing alarms) (optional)		
		Counters: count number of occurrences for any event		
		Counters allow building live reports in client application		
		Create automatic reports based on counters and email them (PDF)		
		Indicators: entities with multiple states, displayed in monitoring and on maps		
		Indicators: change state based on event		
	Internal tags and subjects for FR and LPR			
General		Unified interface for all editions		Available
		Simultaneous connection to servers		Unlimited
		Touchscreen friendly interface		
		Built-in user guide (PDF format)		
		Application branding (define logo image via Client Admin Tool)		
		Adjustable "no video" placeholder image for branding and application customization		
		Configurable single-click support call from the application (click on the logo)		
		Multi-display setup		
		Startup configuration (layouts, window arrangement)		
		Configuration import/export		Available
		Server connections (list)		
		Show or hide manually disconnected servers		
		Grouping for server connections		
		Connected server version displayed in the Connections dialog		
		Merge resources (hide server names)		
		Automatic logout after specified timeout		
		Popup notification upon server disconnect		
		Show user password that is being entered		
		Option to block user account after N unsuccessful login attempts		
		Secure user login using 2FA (two-factor authentication) via email or SMS		
		Login using external authentication providers - OAuth 2.0 (Google, Microsoft, Apple, Okta, generic)		Available
		Internal and AD/LDAP user support		
		Different domain login for AD/LDAP		
		Multicast support (server-to-clients)		
		Window minimize/maximize/full screen		
		Disable/enable background streaming for bandwidth usage optimization		
		Keyboard shortcuts for most client functionality for any Windows/joystick keyboard		
		Search input from CCTV keyboards (if supported)		
		Custom resource IDs to facilitate resource search (Ctrl+F) (config via Console's Quick Access)		
		Channel pop-up from the keypad without bringing up the search dialog		
		Native support for i-PRO (Panasonic) WV-CU98 CCTV keyboard		
		Client application Administration Tool with advanced permissions and UI restrictions		Available
		Themes (change application colors)		
		Application settings: language, usability, overlay elements		
		Search across application settings		
		Anti-aliasing setting in the Client application		
		Server name can be displayed along the channel name in every viewport (optional)		
		Time presentation: server-side/client-side/UTC		
		Collapsible resources panel (more space for live view)		
		Search among resources (channels, maps, user buttons, layouts)		
		Case management: alarm pane with alarm escalation mechanism based on bookmarks		
		Visual groups (single or multi-layer) for resource grouping/filtering, tree view		Available
		Define individual icons for channels, user buttons, CrossLinks, and visual groups (vis Console)		
		Auto layout creation for visual groups		
		Built-in layout templates (grids)		
		Server-side (user-defined) layout templates		
		Layout change history (undo/redo changes) for live and playback (50 states)		Available
		Channel status: visual indication		
		Indication for offline server		
		Indication for offline server substitution (mirror/direct connection to recording servers)	Not available	Available
	Tooltips (popup hint on mouse over)			
	Application modes: always on top, lock application, exclusivity mode			
	Run archive backup wizard with current user rights		Available	
	Import and export Client application settings			
	Safe export of the server connections list			
	Update plan subscription expiration notifications			
Live		Live video streaming, single or multi-channel		
		Live view optimized for high FPS		
		Double click to maximize channel or revert to the multi-camera view		
		Convenient switching between maximized channels		
		Main and secondary video stream (low/high resolution)		
		Manual or automatic stream selection with default option		
		Video analytics metadata overlay (built-in VA, ONVIF, camera metadata)		Available
		Interactive channels and webpages (CrossLink)		
		Data channel visualization (POS data and other, text only)		
		Live audio IN (from the camera)		
		Live audio OUT (talk to camera from client)		
		Convenient audio IN and OUT control for all channels in the layout		
		Save current layout locally		
		Save current layout on the server (shared layout)		Available
		Saved layout properties: all toggled controls, last used PTZ preset, user buttons		
		Set current layout as startup		
		Create layout sequence		
		Remove layouts and layouts sequences		Available
		Send current channel to Smart search or Sequence Explorer		
		Send current screen contents or any resource to any display		
		Drag and drop channels to viewports		
		Drag and drop maps and visual groups to viewports		
		Drag and drop user buttons to channel viewports to link them		Available
		Pop up objects based on events (individual viewports or layouts)		
		Lock viewports to avoid popup replacements		
	Status overlay: time, stream properties, recording ON/OFF, motion grid			
	Adjust font size/color/position for the viewport timestamps			
	Toggle aspect ratio (per viewport, also app wide setting)			
	Add bookmark			

CORTROL Software Features by Edition

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Category	Functionality	Premier	Global		
Client Application (Basic)	Save snapshot	Available			
	Toggle PTZ controls				
	PTZ HUD (Heads-Up Display) or old fashioned PTZ sphere				
	PTZ presets and tours				
	Point-to-Click PTZ (for compatible ONVIF devices)				
	Toggle dewarp				
	Dewarp mode (sector/180-/360-degree panorama)				
	Digital PTZ with picture-in-picture preview and zoom IN/OUT				
	Notification panel: errors, alerts, recognition results				
	Notification panel: configurable font size				
	Notification panel: color highlights for tagged events from external services			Available	
	Notification panel: change size, contents scale, and position				
	Quickly switch to live view from alarm instances (alarm pane)				
	Viewport title: drag and drop any channel or map to move it to another viewport			Available	
	Close: remove channel or map from the layout and free the viewport				
Live and playback video watermark based on the user ID to prevent data leak					
Channel shortcuts: visual markers as links to other channels					
Resource shortcuts: visual markers as links to layouts, maps, user buttons, webpages, data ch.					
Maps	Maps and geo maps in live view mode	Available			
	Geo map scrolling and zooming				
	Interactive markers on the maps (links and actions)				
	Channel markers: an option to link with indicators + use indicator color for alerts				
	Interactive map zones linked to indicators (state) and/or to user buttons (actions)				
	2D zones and markers with associated security system item status and actions				
	Adjustable opacity for the polygon zone objects				
	Adjustable marker title position				
	Live video thumbnail upon mouse over channel marker				
	Right-click draw region to select multiple channels on a map to pop them up				
	Multi-layer maps (interlinked)				
	Maps included into local or shared layouts				
	Map objects highlighted based on server events				
Control Panels	Control panels: interactive dashboards that fit viewports	Available (beta), per server	Available (beta), centralized		
	Row view and tile view				
	Can be saved with layouts and used on video walls				
	Server and channel status and usage statistics				
	Resource status/value (indicators, counters, values)				
	Interactive resources (user buttons, rule conditions)				
	Configurable items names and icons				
Grouping via visual groups					
Instant Playback	Single channel playback in the live view mode	Available			
	Instantly review the last N minutes of footage				
	Configurable rewind period				
	Turn ON instant playback for one or multiple channels in any layout				
	Go to specific time				
	Toggle audio, motion grid				
	Add bookmark				
	Export video				
	Save snapshot				
	Quickly switch to live view from alarm instances (alarm pane)				
Instant playback shown in event pop-up windows	Available				
Playback	Multichannel playback	Available			
	Built-in watermark check (archive integrity verification)				
	Layout sync with live view (optional)				
	Main, secondary, or edge stream playback				
	Easy archive navigation with relative search intervals				
	Channel shortcuts: visual markers as links to other channels for quick navigation				
	Resource shortcuts: visual markers as links to layouts, maps, user buttons, webpages, data ch.				
	Indicator areas: visual markers as indicators overlaying channel video				
	Automatic track selection for channels recorded on multiple servers (optional)			Not applicable	Available
	Navigation: play/pause, go to time			Available	
	Jump back/forward +/- 10s, 1M, 10M, 1H, 24H				
	Jump to the very beginning/end				
	Jump back/forward frame by frame				
	Motion seek (jump to next/previous motion)				
	Playback speed: from +/- x0.5 to x128				
	Range selection for export or delete/protect				
	Delete any part of the archive (permissions required)				
	Protect any part of the archive from being deleted (permissions required)				
	Export video clips (multiple formats available)				
	Export single channel snapshots				
	Export snapshots as PDF with details and custom description				
	Export multichannel snapshots				
	Archive calendar: time range with existing footage is highlighted for easy navigation				
	Create bookmark				
	Browse bookmarks				
	Search bookmarks based on creation time or bookmark time				
	Search VCA events, Data sources, and alarms using AND/OR logic				
	Search VCA events based on objects, events, or counters				
	Search VCA events by name				
	Data channel visualization, automatic data channel output with related video channels			Available	
	Advanced search in the data channel databases (complex queries)				
	Save, import, and export database search queries (via application settings)				
	VCA metadata on the timeline			Available	
Export search results in CSV format (any search)					
Different timeline layouts					
Video, audio, bookmarks, motion metadata shown on timeline					
Thumbnails on the timeline					
Text overlay in playback	Available				
Sequencing	Advanced playback: single channel sequencing for specified time range	Available			
	Layouts: from 3x4 to 5x5				
	Repeated sequencing down to 2 minutes' interval				
	Immediate video export				
	Snapshot export				
	Quick switch to regular playback and back				
	Browse sequences (next/previous portion, next/previous step)				
Advanced playback based on motion data					



CORTROL Software Features by Edition

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Category		Functionality	Premier	Global
Analytics Integrations	LPR	Search by plate	Available	
		Search by tag		
		Search by time range		
		Instant playback		
		Grid view: from 1x1 to 6x6		
		Quickly switch to regular playback		
		Go to specific time		
		Add bookmarks		
		Export snapshot		
		Export video clip		
		Save search results into CSV file		
	FR	Live results in notification panel (per channel)	Available	
		Thumbnails and text results in notification panel		
		Investigation (separate tab) by one or multiple channels		
		Search by face (reference picture)		
		Search by name		
		Search by tag		
		Search by time range		
		Add subject to FR database		
		Instant playback		
		Grid view: from 1x1 to 6x6		
		Quickly switch to regular playback		
		Go to specific time		
	Add bookmarks			
	Export snapshot			
	Export video clip			
	Save search results into CSV, XLS, or PDF file			
	AG	Support for I-PRO Active Guard 3.0	Available	
		Active Guard OSS Plugin integration with Client application		
		Direct connection from Client application for a unified interface		
		Pre-configure one or multiple Active Guard connections		
		Display interactive contents of the remotely configured Active Guard servers		
		List of cameras		
Analytics events and recognition details				
Event search based on the available camera analytics				
Event search based on time				
Timeline search across multiple cameras				
Playback for search results using native Instant Playback				
Active Guard server event integration with CORTROL server				
Object detection and face recognition events from Active Guard in the CORTROL E&A				
OCR, LPR, and vehicle detection events from Active Guard in the CORTROL E&A				
Object detection and face recognition events from Active Guard in the CORTROL E&A				
Active Guard server watchlists as events in the CORTROL E&A				
Tools	Portable Player	Portable tool (no installation required)	Available	
		32-bit and 64-bit versions		
		Single channel media playback (for exported video in common formats)		
		Add files and folders for playback		
		Multichannel playback for proprietary archive (any disk or backup directory)		
		Playback of encrypted native archive		
		Built-in watermark check (archive integrity verification)		
		Navigation: play/pause, go to time		
		Jump back/forward +/- 10s, 1M, 10M, 1H, 24H		
		Jump to the very beginning/end		
		Jump back/forward frame by frame		
		Motion seek (jump to next/previous motion, for proprietary format)		
		Playback speed: from +/- x0.5 to x128		
		Export video clips (multiple formats available)		
		Export single channel snapshots		
Stream properties: codec, resolution				
Aspect ratio control				
Viewport overlay settings				
Video clip and snapshot export settings				
Library path				
Watermark Validator	Portable tool (no installation required)	Available		
	Append tool when copying exported files			
	Check file watermark (integrity and origin)			
	Check watermark for video clips			
	Check watermark for image files (snapshots)			
Archive Backup	Drag and drop files into validation window	Available		
	Back up any part of the archive manually			
	Local or remote connection			
	Configure time range			
	Select channels and tracks to be copied			
	Channel search			
	Pause and resume backup job at any time			
Enter password to access encrypted storage				
Encrypt or re-encrypt the backup				
	Android and iOS support	Available		
	macOS support limited in features (legacy version will be replaced by Web Client 2.0 analog)			
	Android TV support			
	Remote WLAN (including VPN) and 4G connections	Unlimited	Unlimited, via central server	
	Concurrent connections to the same server			
	HTTPS support	Available		
	2-Factor Authentication			
	Multiple pre-configured servers			
	Export and import server connections list			
	Separate user permissions			
	AD/LDAP user support	Per server	Centralized	
	OAuth 2.0 support			
	Codec support: JPEG/H.264/H.265/VP8			
	Codec support: per-codec configuration, hardware/software			
	Language support: English, French, Italian, Dutch, Polish, Russian			
Configurable time format and time zone				
Video statistics				
Stream selection: main/substream/auto (based on viewport size)				
Live video				

