Feature list per editions   (v1.24.0 July 18 2023)

App		Features	Premier Essentials	Premier Eddition	Global Edition
General	Features	Licensing type	Single Server / Multi Client		Central & Multi-Server / Multi Client
		Installation versions	32Bit & 64Bit		
		Core license offerings	9 - 16	24 - 48 - 72 - 96	50 - 100
		Server Connections: Number of connected Clients Supported	Unlimited		
		Version updates - Major releases are quarterly and maintenance releases typically one to two months after a major release	Free during active subscription		
		Warranty: Core License - Offers access to major and maintenance releases during the active subscription coverage. *(Life time technical support & resources)*	2 Year core license		
		Renewal / Extention: Core License	1, 2, 3, 4, 5, 6, 7, 8 Year renewal options		
		Channel upgrade options - Single channel add-on with an MOQ (minimum order quantity) of 6 channels in Premier and Global editions	N/A	Channel additions	
		Warranty: Channel Add-ons - Automatically covered under the remaining 2 year core license warranty *(Core license renewal / extension coverage not included)*	N/A	Covered under remaing 2-yr Core License warranty	
		Renewal /Extention: Channel Add-ons - Renewal /Extension license required if past the core license 2-yr coverage *(Core License renewal / extension not included)*	N/A	1, 2, 3, 4, 5, 6, 7, 8 Year renewal options	

App		Features	Essentials	Premier	Global
CORTROL Client	Features	Archive Backup Wizard (Includes support for Visual Groups)	Available	Available	Available
		Advanced Window Settings: Video Wall Composite Screen (Tiles)			
		Automatic stream selection for archive playback			
		User Buttons: List of User Buttons (Support of Visual Folders, Server Association, Merged Resources)			
		Command Mapping: Archive, Device, Layout, Playback, Window			
		Channels: List of Channels (Support of Visual Folders, Server Association, Merged Resources)			
		Channel Status: Green/White - Online, Red/Grey - Offline			
		Client Full Screen / Minimize / Restore / Exit			
		Client Tree: Collapse / Minimize			
		Client Configuration Import/Export			
		GPU hardware decoding for H.264 & H.265 codec, and performance test utility			
		HTTP based API commands			
		Layouts: List of Layouts from Built-in (60), Custom, Sequence, Shared (Requires CORTROL Global)			
		Layout Synchronization Setting - Enable/Disable Live/Playback Layout synchronization			
		Login - Two factor authentication			
		Multi-Cast Support			
		Maps: List of Maps (Support of Visual Folders, Server Association, Merged Resources)			
		Multi-Monitor Support: No limit to Number of Monitors (Hardware Limitation Only)			
		Multi-Monitor Instant Playback support for 'Go to Playback' button send to Playback			
		Notification Panel: Font size adjustment setting, Show images (Thumbnail) for external service results, Dynamic position and scaling			
		ONVIF metadata support: Bounding box & classification overlay in Live and Playback			
		Show child nodes when searching in Client application tree view			
		Search (Includes associated Child Nodes): Client Search of Layouts, Channels, Maps, Buttons			
		Snapshot Export: File Name Template / Subtitles / To PDF Report			
		Status: Online / Offline Server Associated Layouts, Channels, Maps, Buttons			
		Theme: Use Color to Highlight Important Functions/Features			
		Time Presentation: Toggle Between Local / UTC / Server Time (Scroll Server List)			
		User Guide: Client User Guide			
	Live	Action/Status Icons: Recording Status, Recording Type, Codec, Resolution, FPS, Bitrate	Available	Available	Available
		Aspect Ratio Toggle: Toggle between Auto / Stretch / Original			
		Bookmark Add: Date/Time, Title, Description, Severity level by color			
		DPTZ and Dewarping: Region (PiP + Zoom In/Out) & PTZ (Virtual Pan/Tilt, 180° Pano, 360° View)			
		Fisheye, hardware accelerated dewarping			
		Instant playback: Go to Date/Time, Audio, Motion status, Bookmark, Snapshot, Video Export			
		Layout Save Properties: Title, Presets, Shared (Shared layouts requires Global)			
		Layout Pop-up Quick Select: multi-item selection, (cameras/maps), live stream layout popup			
		Lock Viewport: Prevents Pop-up Superseding Existing Channel			
		Multi-Display: Startup Layout, Sequence, Channel & Map or Layout Pop-ups			
		Map Support: eMaps, Geo-Maps (Linked Mobile GPS Meta Data), Visual Indicators, Action Links, Visual Camera Marker Live Preview pop-up			
		Microphone: Transmit Audio to Device (Device Support/Configuration Required)			
		Motion Grid: On/Off Detection Status Overlay			
		Notification Pane: Display E&A Notifications of Events, and or Alerts			
		PTZ: Presets, Tours, Iris & Focus, Joystick Support, HUD/Classic UI			
		Pop-Up Support: Pop-up Windows, Layouts, Notifications, Dialog Boxes			
		Substream Toggle: Toggle between Substream, Primary Stream, and Auto			
		Speaker: Receive Audio from Device (Device Support/Configuration Required)			
		Undo/Redo: Historical navigation of layout changes within liveview			
		Viewport button to send channel to Sequence Explorer			
		Viewport button to send channel to Smart Search			
		View non-interactive websites			
		Viewport Title: Channel Title, Channel Swap by Drag & Drop, User Button(s)			
		Visual Shortcuts: Visual support for fast channel navigation			
	Playback	Archive Search Navigation:	Available	Available	Available
		Archive Search Bookmarks: Search Record Limit 1,000 Bookmarks			
		Archive Search Video Analytics Meta Data: Object, Counter, Event, Class			
		Archive Search Calendar (Month|Day|Time): All Visible Channels, or Per channel			
		Archive Search: Data Protection / Deletion (User Authentication Required)			
		Visual Shortcuts: Visual support for fast channel navigation ***New in 1.24.0***			
		Copy Exported Video to user defined media, option of Portable player			
		Export List Entry Events to a CSV File (Bookmarks, VCA)			
		Export Video: With/Without Audio - Selected Channel, All Channels Combined, All Channels Separate			
		Export Video: VP8 and JPEG compression includes dewarped images and VA metadata overlay ***New in 1.21.0***			
		Export Snapshot: Sub-Titles, Selected Channel, Multi-Channel (All Visible Channels)			
		Geo-Maps Playback with Mobile GPS meta data support			
		Motion Blur Upon Export (IDentity Protection)			
		Playback speed controls: regular, slow and fast (Up to 8x speed)			
		Playback Channel Statistics: Recording Type, Codec, Resolution			
		Search bookmarks across all channels			
		Timeline and bookmarks thumbnail preview			
		Timeline Presentation Mode: Summary, Selected Channel, Separate Timeline per channel			
		Undo/Redo: Historical navigation of layout changes within playback view			
	Sequence	Export Snapshot per Single Channel Selection	Available	Available	Available
		Export Video Clip: Entire Start to End Date/Time Selection, One or More Channels			
		Make New Sequence (Select Two or More Channels)			
		Select Start & End Date/Time			
		Send to Playback: Entire Start to End Date/Time Selection, One or More Channels			
		Sequence Layout 3x4 ~ 5x5			
		Split Prior / Next Footage (Based on Selected Measure of Time)			
		Undo/Redo: Historical navigation of layout changes within sequence view			
	Smart Search	Send to Playback	Available	Available	Available
		Add Bookmark			
		Export Video Clip			
		Live Preview			
		Search by Date/Time			
		Set Region of Interest with Additive Function Supported			
		Multi Layout support 3x3 ~ 6x6			
		Prior / Next Result Move to Function			
		Export List Entry Events to a CSV File			
	Alerts	Logon/Logout Alerts	Available	Available	Available
		Camera Events			
		Operational errors			
		Stream Errors			
		Server & Device - Connectivity Errors			
		System Level Alerts			
	Library	Open Exported Snapshot/Video Based on Select Entry	Available	Available	Available
		Show in Windows Explorer (Open Folder Containing Exported Media)			
		Copy to… (Copy Exported Media to Selectable Device, Local Folder, Thumb Drive, External Hard Drive			
		Delete Selected Exported Snapshot / Video Entry from Library			

App	Features	Premier Essentials	Premier Eddition	Global Edition
CORTROL Client — Video Wall	Multi Monitor Support		-	Available
	Display Number			
	Primary or Not (If Set)			
	Startup Layout (If Set)			
	Channel / Map Pop-ups (Allowed or Not)			
	Layout Pop-ups (Allowed or Not)			
	Start Fullscreen / Not Fullscreen			
	Video Wall Screen Number if set			
Data Sources	Add Bookmark	Available	Available	Available
	Export Snapshot			
	Export Video Clip			
	Export List Entry Events to a CSV File			
	Go to Date/Time (Any Date/Time)			
	Jog Shuttle Support			
	Motion Grid On/Off			
	Search by Date/Time			
	Search by Text (Enter Partial, to Complete Spelling)			
	Send to Playback			
Reports	Analytics Based Charts - Bar, Graph, Pie	Available	Available	Available
	Heat-Map Reports from Reports Tab			
	Report Counters: Counts Based on Device/Server Side Analytics Meta Data			
	Report Interval - Start & End Date/Time			
	Filters - Week/Days/Time			
	Aggregation			
	Counter Value			
Access Control	Access View by Events, Door Events, Cardholders	Available	Available	Available
	Add Bookmark			
	Export Snapshot			
	Export Video Clip			
	Go to Date/Time (Any Date/Time)			
	Lock Status - Lock/Unlock/Temporary Unlock			
	Motion Grid On/Off			
	Preview per Selected Event			
	Search Interval - Start Date/Time, End Date/Time			
	Send to Playback			
Face Recognition	Add Bookmark	Available	Available	Available
	Audio Playback On/Off			
	Add Subject to FR database (Requires FR version 3.1.1 or newer)			
	Export Video Clip, Snapshot, List Entry Events to a CSV File			
	Go to Date/Time (Any Date/Time)			
	Motion Grid On/Off			
	Search by Single Channel, Tag, Date/Time, Person's Name, Image (Browse to Image, Send from Playback)			
	Send to Playback			
LPR Module	Export Video Clip, Snapshot, List Entry Events to a CSV File	Available	Available	Available
	Search by Single Channel, Plate Characters, Tag, Date/Time			
	Send to Playback			
	Go to Date/Time (Any Date/Time)			
	Motion Grid On/Off			
	Add Bookmark			
External Service	Display event by/in assigned event/tag color	Available	Available	Available
	Export Video Clip, List Entry Events to a CSV File			
	Search by text entry, Date/Time			
	Send to Playback			
	Go to Date/Time (Any Date/Time)			
	Motion Grid On/Off			
	Add Bookmark			
Alarm Pane	Alarm que management	Available	Available	Available
	Alarm que for bookmarked events			
	Export: Alarm que list			
	Filter by Text, Severity, Channels, and groups			
	Group by channel, type			
	Review: Live alarm channel, Instant playback of alarm event			
	Realtime updates, comments, status change			
	Search by Title, Status			
Settings	Application Startup: Exclusivity, Locked, Locked & Exclusivity, Regular Mode	Available	Available	Available
	Audo-Expand Server nodes in Layout, Channel, Map, and User Button panels			
	Audo-Expand Visual groups in Layout, Channel, Map, and User Button panels			
	Auto logout setting in Client application after user inactivity			
	Audio Notification: Enable/Disable - Sound File Selection			
	Action/Status Icons: Always On / On If Selected / Always Off			
	Client Watchdog			
	Client Update Notification			
	"Combine all visible tracks" resolution selection upon export			
	Hardware decoder information in viewport video overlay: Show / Hide			
	Instant Playback: Default Duration			
	Instant Playback: Default mode Setting			
	Library Location Selection			
	Substream: Prefered in playback mode			
	Substream toggle: Default mode - Auto, substream, mainstream			
	Pause Decoding for Background Channels when Minimized			
	PTZ Control: Heads Up Display, Classic Overlay			
	Snapshot Export: File Name Template / Subtitles			
	Snapshot Export: Enable/Disable annotation of External Data and Video Analytics/Metadata			
	Timestamp: Viewport information overlay - Show / Hide / Milliseconds / Font size / Font color / Word wrap / Position / Decoder information ***New in 1.24.0***			
	Tooltips Pop-up			
	Video Export: File Name Template / Video Format / Subtitles			
	View Ports: Enable/Disable transmitting data when in background			
Features	API for third party integrations (Bookmark severity supported)	Available	Available	Available
	Automated Backup: Date/Time/Interval & Direction Locaton Selection			
	Administration Guide Hyper Link			
	Archive size/duration: No Software Limitation			
	Column Management: Order of Priority - Add/Remove - Freeze			
	Cyber Security Dashboard / Show active issues / Export to CSV file ***New in 1.24.0***			
	Cyber Security: Internal tags and subjects dedicated database			
	Login server history - Dropdown menu of prior servers			
	Server Login Switch: Management Console alternative Server login switch *(Premier/Global Servers supported)* ***New in 1.24.0***			
	Management Console Setup Wizard (Prime / Premier / Global Specific Function Setup)			
	Organizational Hierarchal Support	-		
	Object ID's Show: Enable/Disable Display of CORTROL API Object Classification ID	Available	Available	Available
	Remote System Upgrade: Server, Console, Client Applications (Recording Server is Global Specific)			
	Search Function: System Wide Search and Filter Functionality			
	Service Mode: Ran as a Kernel Level Service			
	Show Monitoring Warnings: Enable / Disable			
	Server Configuration Management - Local / Remote User	Per Server		Centralized: Multi Server Management
	Video Analytics: Computational Neural Network Engine (CNNE) offering server side support for Nvidia GPU (CUDA)	Available	Available	Available
	Video Analytics Support: Server, Edge, Meta Data (Device Specific Support)			
	Virtual Machine Environment support			

Feature list per editions (v1.24.0 July 18 2023)

App	Features	Premier Essentials	Premier Eddition	Global Edition
CORTROL Server Management Console Configuration — Server / Networks	Audit Policy: Access Control events Lock/Unlock/Temp Unlock actions performed within Client application	-		Available
	Audit Policy: Max Records 10K, Max Days Unlimited - Server/User Events, Uncategorized	Available	Available	
	Authentication providers via CIAM: OAuth 2.0 - Apple, Custom, Google, Microsoft, Okta ***New in 1.24.0***			
	Authentication: Two factore via Email & SMS			
	Auto Discover: Same Network Recording Server Discovery			
	Bookmark Policy: Max Records 500K, Max Days - 5 Years, Pre-configurable severity levels with colors indicator			
	Browser Support: Chrome, and Firefox			
	Complex Password Security Policy Supported, with account lockout on N attempts			
	Encryption: Server/Client Communications 128-bit and 256-bit AES encryption			
	Encryption: Storage, Archival Recording 128-bit and 256-bit AES encryption			
	Encryption: Server Configuration Database, Audit Logs, & Other Software Data			
	External Audit: External database support for PostgreSQL, MySQL, Microsoft SQL Server			
	Failover Node Role - *Used by CORTROL Recording Server*	-		
	HTTP/HTTPS Support: Mobile App, Web GUI, and API Applications	Available	Available	
	Membership / Permissions Assignment Support			
	Mirroring Licensing Server (Global Support Only)	-		
	NAS Support: Network & Remote Storage	Available	Available	
	NTP Server support. Ability to synchronize Windows time settings			
	Password Protection: Proprietary Archive			
	RTSP/SMTP/NTP/RTP			
	Storage Configuration Management: Directories, Duration Quota, Retention, Fallback			
	Server Side Multi-Cast Support			
	VCA Analytics License Management (Assigned Licenses)			
	Web & Moibile Client Connections Supported	Unlimited		
	Watchdog: Operations, Performance, and Maintenance	Available	Available	Available
External Services	FR (Face Recognition) - Single CPU Support	Available	Available	Available
	FR Support of ODBC/MSSQL External Databases			
	FR Embedded local SQLite Database - 5Million Record Limitation			
	GANZ AI Box: Event notification upon AI event action			
	GANZ Cloud AI service and storage			
	LPR (License Plate Recognition) - Dual CPU Support			
	LPR Support of ODBC/MSSQL External Databases			
	LPR Embedded local SQLite Database - 5Million Record Limitation			
	LPR Engine Support for Centralized CSV database			
	LPR Engine Support for Virtual Environments			
	External Services support now on Recording Server			
Failover Clusters	Auto Recovery: Failover Deactivation after Corresponding Recording Server is Online	-		Available
	Central Server Connection Timeout			
	Failover Cluster 1:1, 1:Many support			
	Failover Timeout			
	Recovery Timeout			
	VCA functionality on failover server			
Users	Active Directory & LDAP: Import Users, Users Groups, Foreign Security Principals	Available	Available	Available
	Administration Profile Permissions Support			
	Membership / Resources Assignment Support			
	Permissions: Per Resource Permissions			
	Per Organization / Resource / Component User Permissions	-		
	PTZ Prioritization Level			
	Recent Archive Interval Permissions Support	Available	Available	
	User Grouping Assignment			
Devices	Auto Discovery Devices	Available	Available	Available
	Bukl Edit (Devices): Server, Port, User, Password			
	Device Grouping Assignment			
	CrossLink Basic - Per channel chromium embedded framework (CEF) mini browser for an interactive HTML5 based URL w/H.264 support			
	CrossLink Advanced - Remote Desktop via VNC			
	Device Duplication Creation			
	Device Support 5,000+ with Manufacture Support 140+			
	External Device Support: Unlimited (Tablets, Mobile Phones - Dynamically Asigned to Available Channels)			
	Fast Navigation: Device Related Items Navigation to Associated Channel(s)			
	Generic Device Drivers: ONVIF (Profile S), RTSP, PSIA, HTTP, WASAPI			
	GSM generic modem: Support of SMS nofitication sending and receiving			
	JPEG / Video File as a Device Support			
	Smart Device Deletion (Inclusion of Active Channel & Rules)			
	Single/Multi Device Creation			
	View Associated Device Channels			
	Video Stream Resolution: Up to 8K Support			
	Video capture board support			
Channels	Analogue PTZ protocols (via RS-232,422,485 ports)	Available	Available	Available
	Archive Channel Replication: Archive Duplication to a 2nd/3rd Recording Device(s)	-		
	Audio Channel: Sharable Audio Channel Selection, with support for device API/ONVIF, One-Way / Two-Way audio driver specific	Available	Available	
	Bulk Edit (Channel): Orginization, Recording Configuration, Storage Assignment			
	Edge Recording: Device specific API, and or ONVIF Profile G Supported			
	Fast Navigation: Channel Related Items Navigation to Associated Device(s)			
	Fisheye Dewarp engine for 6MP and larger resolutions			
	Group Channel, Membership, Permissions assignment supported			
	Image properties; Focus / Brighten / Saturation / Contrast / Sharpness / White balance / Backlight / Wide dynamic / Exposure / Infrared Cutoff ***New in 1.24.0***			
	I/O Support: Device API/ONVIF Driver Specific Input / Output Supported			
	Multi-Stream Support: Primary, Secondary, (RTSP: Hight Stream / Low Stream)			
	Motion Detector: Device or Server (HP/AP) side support			
	Multi-Cast Camera Side Support (Dependent upon Device Integration)			
	Per Channel Passive mode - Pause communications and video streaming until requested ***1.24.0***			
	Per Channel Video Overlay Configuraiton			
	Recording Configuraiton Assignment: Main Stream, Substream, Bulk & Single Channel Assignment			
	Storage Asignment: Per Channel Stream Recording Storage Assignment			
	Show Video: Per Channel Display of Video Stream (Multi Channel Selection not Supported)			
	Supplementary Streams: Audio, Motion, VCA, External Data Stream - Alternatively record with substream over mainstream			
	Video Analytics Configuration per Assigned Channel (License Assignment & Configuration)			
	Video Analytics: CNNE Zones / Settings object time for presence, absence, and intersection by object threshold			
	Video Analytics: CNNE Zones Rules - enter/exit, appear/disappear, Lines/Tripwires - A/B, B/A, any direction			
	Video Analytics: CNNE dedicated database for analytics results history (External recognition results)			
	Video Analytics Engine: Advanced motion & object detection w/Classification			
	Video Analytics Detector: Personal Protective Equipment Detector, 1024x600, 512x512, 320x320, 300x300			
Recording	Recording Schedule: Graphical & List Configuration	Available	Available	Available
	Recording Profile: Continuous - (Video & Frame Rate / Audio / Motion / Data / VCA)			
	Recording Profile: Motion - (Video & Frame Rate / Audio / Post Recording / Motion Alert)			
	Recording Configuration: Pre, Quota (Amount / Duration) / Custom Days / User Calendars ***New in 1.24.0***			
Maps	Map image: PNG, JPG, TIF, BMP, and Static Gif	Available	Available	Available
	Map image: Grid enable/disable and Lock grid enable/disable			
	Map icon: Channel, Icon (type, color, size), Icon outline (color), Title (color, size), Title outline (color), Radius, Sector, Rotate, Coordinates, Track			
	Geo-Map: OpenStreetMap based Geo-Maps, with selected longitune, latitude location based lock option			
	Map Grouping: Map / Geo-Map			
	Linking - Selectable iconification, icon size, icon color, icon title color, icon title size			
	Linking - Camera: Selectable icon & title: Color & Size, Rotation, Angle, Radius, GPS, Status			
	Linking - Map: Selectable icon & title; Color & Size			
	Linking - User Button: Selectable icon & title; Color & Size			
	Linking - Layout: Selectable icon & title; Color & Size			
	Linking - Doors: Access Control based readers / Door			
	Linking - Indicator (Status): Indicator of status function associated			
	Linking - CrossLink Basic: Channel specific chromium embedded framework (CEF) based mini browser			
	Linking - Data channel: Channel specific visualization of textual date from a linked Data source - Data ID, selectable channel recording destination			

App	Features	Essentials	Premier	Global
CORTROL Server Management Console — Layout Templates	Custom: Layout Support	Available	Available	Available
	Channel Grid Support: 1x1 ~ 20x5 (Up to 100 Channels)			
	Merge / Unmerge of Selected Channel(s)			
Layouts	Layout Group: Group Selected Layouts	Available	Available	Available
	Membership / Permissions Assignment Support			
Video Walls	Membership / Permissions Assignment Support	-		Available
	Video Wall Support: 1x1 ~ 20x5 (Up to 100 Channels)			
	Video Wall Group: Group Selection of Video Walls			
	Video Wall Management Assignable to Recording Server			
User Buttons	Membership / Permissions Assignment Support	Available	Available	Available
	User Buttons: User Selectable Event Generator			
	User Buttons: Stand Alone or Channel Assignable			
	User Button Group: Group Selection of User Buttons			
Visual Groups	Membership / Permissions Assignment Support	Available	Available	Available
	Visual Groups: Visual Representation of Grouped Objects			
	Multi-Level Visual Groups: Nested Visual Representation of Grouped Objects			
Webpages	Crosslink Basic - Channel based webpage navigation (Requires license Crosslink Basic license per channel)	Available	available / Requires license	Available / Requires license
	Web address and URL supported			
	Certificate error tolerance			
	User access permissions support			
Live Podcasts	Channel Video Stream; Primary or Substream	Unlimited		
	Channel Audio Stream Supported			
	Real-Time Messaging Protocol Support: YouTub, Wowza, Generic RTMP			
	Unlimited RTMP Channel Support			
Data Sources	Data Source: Profile - Encoding, Mappings, Map Variable Supported	Available	Available	Available
	Data Source Type: TCP - Client / Server: Host - Port, UDP - Port, ComPort - Com Port / Buad Rate / Data Bits / Stop Bits / Parity			
	Time Series Database - Days, Intervals, Tables			
Data Channels	Data channel: Provides a visualization of textual date from a linked Data source - Data ID, selectable channel recording destination	Available	Available	Available
	New Data channel: Details / Members / Membership / Permissions			
	New Data channel group: Details / Members / Membership / Permissions			
Mail Servers	Aggregation Support: Count / Time			
	Server Addres: Host URL, IP Address			
	Security Mode: None, STRTTLS, SSL/TLS			
	Test function: Send test email notification page to an email recipient ***New in 1.24.0***			
	Unlimited Email Servers Support			
GSM Modems	AT command set supported	Available	Available	Available
	Generic GSM modem support			
	SMS Mode: Text, PDU			
	SMS Encoding: ASCII, UCS2			
MQTT	MQTT protocol version: 3.1.1, 5	Available	Available	Available
	SSL/TLS version: None, 1.1, 1.2, 1.3			
	MQTT Certificate supported			
	MQTT last will and testament support			
Reports	Count Based Reports: External Analytics Meta Data, E&A Counters - Reset, Increment, Decrement	Available	Available	Available
	Report Email Auto Send			
	Report Aggregation: Minute, Hour, Day, Week, Month			
	Report Interval: Current Day, Previous Day, Previous Week, Previous Month			
	Report Chart: Bar, Line, Pie			
	Report Filter: Week Days, Time (Minutes, Hours)			
Access Control	Access Control: Door, and Door Permissions (Two-way integration)	Available	Available	Available
	Continental Access Control (One-way integration, Continental pulls in CORTROL events & video channels)			
	FEENICS "Keep" - Integration of Door controls, Events, People (Two-way integration)			
	Gallagher - Integration of Door controls, Events, People (Two-way integration)			
	GSF Corporation "Visual Access Systems" - Integration of Door controls, Events, People (Two-way integration)			
	Keri Systems "Doors.NET" - Integration of Door controls, Events, People (Two-way integration)			
	NEDAP AEOS - Integration of Door controls, Events, People (Two-way integration)			
	Paxton - Integration of Door controls, Events, People (Two-way integration)			
	Satel Integra ETHM-1 Access Control Device: Integration is aimed for Alarm Panel ARM/DISARM events and actions			
	Roger RACS 5 - Integration of Door controls, Events, People (Two-way integration)			
Events	Access Control System Events	Available	Available	Available
	Auxiliary Device (Non-video) Events			
	Device: BLK247 VCA event "Human" (Requires external AI module)			
	Device: BLK247 VCA event "Non-Human" (Requires external AI module)			
	Channel: Motion, Motion Started / Stopped			
	Channel: Recording Error / Recovered			
	Channel: Video Lost / Restored			
	Channel Group: Motion, Motion Started / Stopped			
	Channel Group: Recording Error / Recovered			
	Channel Group: Video Lost / Restored			
	Custom: Variable value (Mapping metadata, POS, from device/camera)			
	Custom: Data Source (Text Source triggering)			
	Custom: Digital Input - Channels			
	Custom: Door - Access Control Door			
	Custom: External - HTTP API Trigger, LPR, Face Recognition			
	Custom: External Service - Channels			
	Custom: OPC Client Event - Variable / Value Type / Conditional Operator			
	Custom: Scheduled - Channel (Periodical / Scheduled)			
	Custom: Counter value for camera, and Software side counters			
	Custom: Variable Condition - Variable / Type / Conditional Operator / Value			
	Custom: VCA - Channels			
	Custom: Video Wall -	-		Available
	Global Server: Disc Excluding			
	Global Server: Connected / Disconnected			
	Global Server: Failover Activating			
	Global Server: Fall-Back Activating			
	Global Server: Recording Error			
	Global Server: Scheduled Event			
	SMS Received Event	Available	Available	
	User Button: Activation			

App		Features	Essentials	Premier	Global
CORTROL Server Management Console	Actions	Access Control - Keri Systems Doors.NET "Events"	available	Available	Available
		Access Control - Keep by FEENICS "Events"			
		Channel: Pop-up on Screen			
		Channel: Pop-up Playback on Screen			
		Channel: Generate Alert Substream			
		Channel: Generate Alert			
		Counter: Reset / Increment / Decrement			
		Custom: Activate Main Stream Recording Profile			
		Custom: Activate Substream Recording Profile			
		Custom: Activate PTZ Preset			
		Custom: Activate PTZ Tour			
		Custom: Control Digital Input			
		Custom: Create Bookmark (Optional Request User Description)			
		Custom: Device action (Device specific commands)			
		Custom: Device action "Disable"			
		Custom: Device action "Enable"			
		Custom: Device action "Toggle"			
		Custom: Door Action - Invalid / Lock / Unlock / TempUnlock			
		Custom: External Service - Target Action (Example: FR - Add Subject)			
		Custom: Export Snapshot to Local/Mapped/FTP Directory			
		Custom: Highlight Object on Map - Channel / User Button			
		Custom: OPC Client Action - Variable / Value Type / Value			
		Custom: Popup Object - Channel / Layout / Map / Geo-Map / Video Wall (Specify viewport#)			
		Custom: Run Program			
		Custom: Send Email			
		Custom: Send Email with a Snapshot			
		Custom: Send HTTP/HTTPS request			
		Custom: Send Event to Client - Display a Warning Message Box			
		Custom: Send Event to Client - Display Event in Alerts			
		Custom: Send Event to Client - Display Event in Mobile Application			
		Custom: Send Event to Client - Display Event in Notification Panel			
		Custom: Send Event to Client - Trigger Audio Notification			
		Custom: Send SNMP Trap			
		Custom: Start Playing an Audio File			
		Custom: Stop Playing an Audio File			
		Custom: Write to Application Log			
		Custom: Write to Audit Log			
		Layout: Pop-up on Screen			
		Map: Pop-up on Screen			
		SMS Send action (Requires GSM Modem)			
		Variable Condition Event based on VCA Counters value (more, less, equal)			
	Modifiers	Global Event: Send Global Event	Available	Available	Available
		Condition: Unset / Set			
		Schedules:			
		Counters: Reset / Increment / Decrement			
		OPC			
		Indicators			
	Monitoring	Servers: Status / Connection / Synchronization / Version / Failover / Resources (CPU, Memory, Network)	Available	Available	Available
		Devices: Status / Server / Device / IP / Port			
		Channels: Status / Server / Resolution / Codec / Substream Resolution / Substream Codec / Recording / Onlinej / Device model / IP / Port / Error			
		Streams: Channel / Stream Type / Status / Server / Device / Storage / Directory / Prerecording time			
		Archive Statistics: Channel / Begin Date / End Date / Duration / Size / Protected			
		Storage: Status / Server / Path / Encrypted / Free Space / Used Space / Total Space / Queue length / Last Available Time			
		User Sessions: Title / Remote address / Start Time / Type / Software version / Resources (CPU, Memory, Network)			
		Video Walls: Title / Screen / User / Remote IP			
		Data sources: Title / Status / Server / Data Received Time / Error			
		External Services: Title / Status / Server / User / Remote Address			
		Reports: Title / Status / Time			
		Access Control: Status (Normal/Critical), State (Open/Closed/Locked) Alert Flags, Status Time			
		OPC: Status / Connected / Last (Error/Event Error), Status Time			
		Indicators: Status (Normal/Critical), Connected (Yes/No), Operational State, Status Time			
		GSM modems: Title / Status / Server / Error			
		MQTT clients: Title / Status / Server / Error			
		Databases: Title / Status / Server / Error			
		Export to CSV			
	Audit	Servers: Time / Server / Event / Information / Additional Informaiton	Available	Available	Available
		Servers: Filter - By Time / By Events / By Servers / By Resources			
		Users: Time / User / Conection Address / Connection Type / Event / Server / Information / Additional Informaiton			
		Users: Filter - By Time / By Events / By Servers / By Users / By Resources			
		Problems: Time / Server / Event / Informatin / Additional Information ***1.24.0***			
		Event: Internal Server events			
		Event: Resource access - Archive/Bookmark/Live/PTZ/Video Walls/Exported/External (Data/Service)/VCA			
		Event: Server security - Updated/Accessed/Added/Removed/PW Changed/Log (in/out)			
		Event: Uncategorized			
		Event: Access Control			
		Event: Events & Actions			
		Event: External Services - Extneral Service/Service Group (Added/Removed/Updated)			
		Event: Installation - Remote Update Request			
		Event: Recording Configuration/Profile/Schedule (Added/Removed/Updated)			
		Event: Resource Administration (Added/Disabled/Enabled/Removed/Updated)			
		Event: Failover management - Added / Removed / Updated	-		
		Event: Rule Modifiers, Action/Event/E&A Rule/Global Event/Mail Server (Added/Removed/Updated)	Available	Available	Available
		Event: Time (All/Day/Week/Month)			
		Event: Resources (Server, User, Channel, Device, Recording, Layout, Organization, Map, Map Group, Event, Action, Mail Server, Layout Template, Failover Cluster, Network, Visual Group, Video Wall, User Button, External Servce, Data Source, Counter, Report, Door, Access Control, Digital Certificate, Indicator			
		Export to CSV			

App		Features	Essentials	Premier	Global
Portable Player	Functions	Dewarp support for Playback of Native Archived Data	Available	Available	Available
		Proprietary Archive Playback - Playback of CORTROL's Native Archived Data			
		Library listing of CORTROL Exported Archived Data			
		Archive Search Navigation:			
		Archive Search Bookmarks: Search Record Limit 1,000 Bookmarks			
		Archive Search Video Analytics Meta Data: Object, Counter, Event, Class			
		Archive Search Calendar (Month|Day|Time): All Visible Channels, or Per channel			
		Archive Search: Data Protection / Deletion (User Authentication Required)			
		Copy Exported Video to user defined media, option of Portable player			
		Export Video: With/Without Audio - Selected Channel, All Channels Combined, All Channels Separate			
		Export Snapshot: Sub-Titles, Selected Channel, Multi-Channel (All Visible Channels)			
		Geo-Maps Playback with Mobile GPS meta data support			
		Playback speed controls: regular, slow and fast (Up to 8x speed)			
		Playback Channel Statistics: Recording Type, Codec, Resolution			

		Feature list per editions (v1.24.0 July 18 2023)			
App		Features	Essentials	Premier	Global
Client Administration Tool	Functions	Client Application UI Restrictions - To hide UI elements	Available	Available	Available
		Panes: Layouts			
		Panes: Layouts > Local Layout Templates			
		Panes: Layouts > Local Layouts			
		Panes: Layouts > Local Layout Sequences			
		Panes: Layouts > Shared Layouts			
		Panes: Layouts > Server Layout Templates			
		Panes: Channels			
		Panes: Playback Channels			
		Panes: Alarms			
		Tabs: Live			
		Tabs: Playback			
		Tabs: Sequence Explorer			
		Tabs: Smart Search			
		Tabs: Alerts			
		Tabs: Library			
		Tabs: Reports			
		Tabs: Video Wall			
		Tabs: External Services (LPR, FR, and HTTP API modules)			
		Tabs: Data Sources			
		Tabs: Access Control			
		Menu buttons: File			
		Menu buttons: Edit			
		Menu buttons: View			
		Menu buttons: Tools			
		Menu buttons: Help			
		Menu buttons: Connections			
		Menu buttons: Video Analytics Conntections			
		Live Toolbar: Multidisplay Setup Button			
		Live Toolbar: Screen Contents Button			
		Server Connection Dialog: Remember Password Option			
		Live Alarm Tabs: Create new tabs			
		Live Alarm Tabs: Lock/unlock existing tabs			
		Live Alarm Tabs: Edit locking tabs			
		Live Alarm Tabs: Edit unlocking tabs			
		Cookies: Clear cookies upon Client application exit (Related to use of Crosslink Basic Web URL)			
Server/Console/Client	Language Support	Chinese (Simplified, PRC)	Available	Available	Available
		Chinese (Traditional)			
		Czech (Czech Republic)			
		Dutch (Belgium)			
		English (England)			
		English (United States)			
		French (France)			
		German (Germany)			
		Indonesian (Indonesian)			
		Italian (Italy)			
		Korean (Korea)			
		Latvian (Latvia)			
		Malay (Malaysia)			
		Polish (Poland)			
		Portuguese (Brazil)			
		Russian (Russia)			
		Serbian (Cyrillic, Serbia)			
		Slovenian (Slovenia)			
		Spanish (Mexico)			
		Spanish (Spain)			
		Thai (Thailand)			
		Turkish (Turkey)			
		Ukrainian (Ukraine)			
Mobile and Web	Mobile / MacOS	Archive Playback: Per Channel Playback, GoTo Date/Time	Available	Available	Available
		Battery Intensive Decoding Icon (When Software Decoding is Required)			
		Chrome Cast Supported			
		Codec Decoder: Hardware / Hardware & Software / Per Codec Configuration: JPEG / H.264 / H.265 / VP8			
		Channel Sets: Create / Modify (User Created Channel Groups)			
		Edge Recording Storage Restrictions: (100/200/500)MB, (1/2/5/10/20)GB, All Available Space			
		Edge Recording support: Offline Recording with Later Upload to Server			
		Event Notification: E&A Notifications Pushed from Server			
		GPS Meta Data: Stream Device Location with Video to Server			
		Languag Support: English, French, Italian, Dutch, Polish, Russian			
		Layout Options: 1x1, 2x1, 2x2, 3x2			
		LDAP/AD Support			
		Local Storage Support: Internal / SD Card (Device dependent)			
		Mobile OS Support: Android / Android TV / iOS / iPadOS			
		Mobile Camera: Back/Front, Codec, Resolution (Up to 4K), Bitrate, FPS, Microphone			
		Maintain Aspect Ratio: On/Off			
		Network: WiFi & Mobile Data (Celular data), WiFi Only (VPN Supported)			
		Panic Button: One Touch Quick Launch Streaming			
		Panic Server: Target Server Streaming to			
		PTZ: Control / Presets / Tours			
		Server List: List of Servers to connect to (Single Server Connection)			
		Snapshot: Save to Photos iOS / Save to Local Folder Android			
		Time Zone Support: Client , Server			
		TLS 1.2 support added (TLS 1.0/1.1 deprecated)			
		User Buttons: Support for Server Side User Buttons			
		Video Statistics Display: Codec, Bitrate, Frame Rate, Resolution			
		Video Stream: Auto / Main Stream / Sub Stream			
		Widgets: Update Interval - 30Sec, (1/2/5/10/15/30)Minutes, 1 Hour			
	Web	Archive Playback	Available	Available	Available
		Browser Support: Chrome, FireFox (Internet Explorer / Edge / Safari Not Supported)			
		Custom view layouts			
		Layout Options: 1x1, 1x2, 2x1, 2x2			
		Languag Support: English, French, Italian, Dutch, Polish, Russian			
		LDAP/AD Support			
		TLS 1.2 support added (TLS 1.0/1.1 deprecated)			
		Two-way audio support			
		PTZ control, presets			
		Receive audio from Client GUI			
		Substream playback			
		Save snapshots			
		Server connections	Unlimited		
		Video & audio streaming from mobile devices	Available	Available	Available