Feature list per editions	(v1.22.0 October 21 2022)		
App	**Features**	**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 - UNL	Start at 50Ch's and/or 100Ch's
	Server Connections: Number of connected Clients Supported	Unlimited	
	Version updates - Major releases are quarterly and maintenance releases typicaly 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	Channel additions	
	Warranty: Channel Add-ons - Automatically covered under the remaining 2 year core license warranty *(Core license renewal / extension coverage not included)*	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)*	1, 2, 3, 4, 5, 6, 7, 8 Year renewal options	

App	**Features**	**Premier**	**Global**
CORTROL Client — **Features**	Archive Backup Wizard (Includes support for Visual Groups)	Available	Available
	Administration Tool: Client Application UI Restrictions - To hide UI element		
	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		
	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
	Aspect Ratio Toggle: Toggle between Auto / Stretch / Original		
	Bookmark Add: Date/Time, Title, Description, Severity level by color		
	Channel Shortcuts: Visual Support for Fast Channel Navigation		
	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)		
Playback	Archive Search Navigation:	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)		
	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
	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
	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
	Camera Events		
	Operational errors		
	Stream Errors		
	Server & Device - Connectivity Errors		
	System Level Alerts		

	Feature list per editions	(v1.22.0 October 21 2022)		
App	**Features**		**Premier**	**Global**

App		Features	Premier	Global
CORTROL Client	**Library**	Open Exported Snapshot/Video Based on Select Entry	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		
	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
		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
		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
		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
		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
		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
		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
		Alarm que for bookmarked events		
		Export: Alarm que list		
		Filter by Text, Severity, Channels, and groups ***New in 1.22.0***		
		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
		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 information in viewport video overlay: Show / Hide		
		Tooltips Pop-up		
		Video Export: File Name Template / Video Format / Subtitles		
		View Ports: Enable/Disable transmitting data when in background		

	Feature list per editions	(v1.22.0 October 21 2022)		
App	**Features**		**Premier**	**Global**

App	Features	Premier	Global
Features	API for third party integrations (Bookmark severity supported)	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	Available	Available
	Cyber Security Dashboard		
	Cyber Security: Internal tags and subjects dedicated database		
	Login server history - Dropdown menu of prior servers		
	Login - Two factore authentication - Email & SMS ***New in 1.22.0*** *(SMS added with version 1.22.0)*		
	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		
	Remote System Upgrade: Server, Console, Client Applications (Recording Server is Global Specific)	Available	
	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)		
	Video Analytics Support: Server, Edge, Meta Data (Device Specific Support)	Available	Available
	Virtual Machine Environment support		
Server / Networks	Auto Discover: Same Network Recording Server Discovery	-	
	Audit Policy: Max Records 10K, Max Days Unlimited - Server/User Events, Uncategorized	Available	
	Audit Policy: Access Control events Lock/Unlock/Temp Unlock actions performed within Client application		
	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		Available
	Failover Node Role - *Used by CORTROL Recording Server*	-	
	HTTP/HTTPS Support: Mobile App, Web GUI, and API Applications	Available	
	Membership / Permissions Assignment Support		
	Mirroring Licensing Server (Global Support Only)	-	
	NAS Support: Network & Remote Storage		
	NTP Server support. Ability to synchronize Windows time settings		
	Password Protection: Proprietary Archive		
	RTSP/SMTP/NTP/RTP	Available	
	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
External Services	FR (Face Recognition) - Single CPU Support	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
	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	
	User Grouping Assignment		
Devices	Auto Discovery Devices	Available	Available
	Bukl Edit (Devices): Server, Port, User, Password		
	Device Grouping Assignment		
	CrossLink Basic - Interactive HTML5 based URL with industry standard webpages		
	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 Assigned 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 ***New in 1.22.0***		
	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
	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		
	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		
	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 Video Overlay Configuraiton	Available	
	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 ***New in 1.22.0***		
	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 ***320x320 is New in 1.22.0***		

(Left vertical label: CORTROL Server Management Console Configuration)

Feature list per editions		(v1.22.0 October 21 2022)		

App		Features	Premier	Global
CORTROL Server Management Console Configuration	Recording	Recording Schedule: Graphical & List Configuration	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)		
	Maps	Geo-Map Support: OpenStreetMap Based Geo-Maps	Available	Available
		Geo-Map Lock: Lock Geo location of Street Map		
		Image (PNG, JPG, TIF, BMP, and Static Gif)		
		Membership / Permissions Assignment Support		
		Camera Linking: Selectable icon & title: Color & Size, Rotation, Angle, Radius, GPS, Status		
		Map Linking: Selectable icon & title; Color & Size		
		User Button linking: Selectable icon & title; Color & Size		
		Layout Linking: Selectable icon & title; Color & Size		
		Access Control Door Linking: Selectable icon & title; Color & Size		
		Visual Indicator linking: Selectable icon & title; Color & Size		
		Map Grouping: Map / Geo-Map		
	Layout Templates	Custom: Layout Support	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
		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
		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
		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 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
		Data Source Type: TCP - Client / Server: Host - Port, UDP - Port, ComPort - Com Port / Buad Rate / Data Bits / Stop Bits / Parity		
	Mail Servers	Aggregation Support: Count / Time	Available	Available
		Server Addres: Host URL, IP Address		
		Security Mode: None, STRTTLS, SSL/TLS		
		Unlimted Email Servers Support		
	GSM Modems	AT command set supported ***New in 1.22.0***	Available	Available
		Generic GSM modem support ***New in 1.22.0***		
		SMS Mode: Text, PDU ***New in 1.22.0***		
		SMS Encoding: ASCII, UCS2 ***New in 1.22.0***		
	MQTT	MQTT protocol version: 3.1.1, 5 ***New in 1.22.0***	Available	Available
		SSL/TLS version: None, 1.1, 1.2, 1.3 ***New in 1.22.0***		
		MQTT Certificate supported ***New in 1.22.0***		
		MQTT last will and testament support ***New in 1.22.0***		
	Reports	Count Based Reports: External Analytics Meta Data, E&A Counters - Reset, Increment, Decrement	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	Keri Systems "Doors.NET"	Available	Available
		FEENICS "Keep"		
		Gallagher		
		GSF Corporation "Visual Access Systems"		
		Roger RACS 5		
		Access Control: Door, and Door Permissions		

App		Features	Premier	Global
CORTROL Server Management Console Events & Actions	Events	Access Control System Events	Available	Available
		Auxiliary Device (Non-video) Events ***New in 1.22.0***		
		Device: BLK247 VCA event "Human" (Requires external AI module) ***New in 1.22.0***		
		Device: BLK247 VCA event "Non-Human" (Requires external AI module) ***New in 1.22.0***		
		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 -	-	
		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 ***New in 1.22.0***	Available	
		User Button: Activation		
	Actions	Access Control - Keri Systems Doors.NET "Events"	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" ***New in 1.22.0***		
		Custom: Device action "Enable" ***New in 1.22.0***		
		Custom: Device action "Toggle" ***New in 1.22.0***		
		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 ***New in 1.22.0***		
		Variable Condition Event based on VCA Counters value (more, less, equal)		
	Modifiers	Global Event: Send Global Event	Available	Available
		Condition: Unset / Set		
		Schedules:		
		Counters: Reset / Increment / Decrement		
		OPC		
		Indicators		

App		Features	Premier	Global
CORTROL Server Management Console	Monitoring	Access Control: Status (Normal/Critical), State (Open/Closed/Locked) Alert Flags, Status Time	Available	Available
		Archive Statistics: Recording Time, Total (Duration, Size), Average per day, Protection Status		
		Channels: Config Update, Video loss, bitrate, FPS, Recording Status		
		Channels: Mainstream / Substream Jitter (uneven video frame receive)		
		Channels: Substream video loss, Warning - Missing substream (No configured substream), GOP length is greater than 3 seconds		
		Devices: Config Update Status & Last Communicaiton		
		Export to CSV: Monitoring Results		
		External Services: Status (Normal/Critical, User, Remote IP, Out Going Port		
		Indicators: Status (Normal/Critical), Connected (Yes/No), Operational State, Status Time		
		OPC: Status / Connected / Last (Error/Event Error), Status Time		
		Reports: Status (Normal/Critical/Executed/NotExecuted), Time (Execution/Next/Status)		
		Servers: Connection & Synchronization		
		Storage: Critical status for empty storage, Warning - There is not enough space for quota		
		Storages: Disk queue length		
		Storage: Status (Normal/Critical), Path, Encrypted, Space (Free/Total), Additional Info		
		Streams: Channel, Target (Server, Storage, Directory), Stream (Video, Audio, Motion, VCA, External)		
		User Sessions: ID, Remote IP, Out Going Port, Start Time, Type(Console/Client/HTTP), Software Ver.		
		Video Walls: Screen, User, Remote IP		
	Audit	Export to CSV: Audit Results	Available	Available
		Filters: Time (All/Day/Week/Month)		
		Filters: Rule Modifiers, Action/Event/E&A Rule/Global Event/Mail Server (Added/Removed/Updated)		
		Filters: External Services - Extneral Service/Service Group (Added/Removed/Updated)		
		Filters: Failover Management (Added/Removed/Updated)	-	
		Filters: Installation - Remote Update Request		
		Filters: Recording Configuration/Profile/Schedule (Added/Removed/Updated)		Available
		Filters: Resource Access - Archive/Bookmark/Live/PTZ/Video Walls/Exported/External (Data/Service)/VCA		
		Filters: Resource Administration (Added/Disabled/Enabled/Removed/Updated)		
		Filters: Server Security (Updated/Accessed/Added/Removed/PW Changed/Log (in/out)	Available	
		Filters: 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		
		Servers: Origin, Device (Source/Action), Event/Action Type, Time (Start/End), Error Code		
		Users: Event (Time/Type), Server, ID/Name, Channel, Remote IP, Connection (Console/Client/HTTP)		

App		Features	Premier	Global
Portable Player	Functions	Dewarp support for Playback of Native Archived Data		
		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	Available	Available
		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		

App		Features	Premier	Global
Server/Console/Client	Language Support	Chinese (Traditional)		
		Czech (Czech Republic)		
		Dutch (Dutch)		
		English (British)		
		English (United States)		
		French (France)		
		German (Germany)		
		Indonesian (Indonesian) ***New in 1.22.0***		
		Italian (Italy)		
		Korean (Korea)	Available	Available
		Latvian (Latvia)		
		Malay		
		Polish (Poland)		
		Portuguese		
		Russian (Russia)		
		Spanish (Mexico)		
		Thai (Thailand)		
		Turkish (Turkey)		

App		Features	Premier	Global
Mobile and Web	Mobile / MacOS	Archive Playback: Per Channel Playback, GoTo Date/Time		
		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	Available	Available
		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		
		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)	Available	Available
		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