QxControl Release Notes

These are technical release notes. For a marketing overview of new features, please go to: www.qumulex.com/blog

2025-06-25

Web App (version 2.12.6-3d70)

- Fix: Login with password for user with multiple profiles

2025-06-17

Web App (version 2.12.5-0ec3)

- Fix: Limit time range of snapshot search when subscribing to live video

2025-06-04

Web App (version 2.12.3-387b)

- Fix: Login issues with Google users

2025-05-22

Web App (version 2.12.2-8d6e)

- Fix: Place selection when creating Door from Device page

2025-05-15

Web App (version 2.12.1-914d)

- Feature: Respect override privileges on camera

Backend (version: 7227, cloud-only)

- Feature: Override privileges on camera by role
- Fix: Fix gotowebpage for Vivotek cameras

2025-04-30

Web App (version 2.12.1-218d)

- Fix: Submit button on initial login password create

2025-04-24

Web App (version 2.12.0-b6b0)

- Enhancement: Video warning messages on live page attach to affected video panel
- Enhancement: Clips audit trail shows what changed
- Enhancement: Device cards for camera devices have thumbnail

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- Enhancement: Analytics search shows categories detected even w/o attributes
- Fix: Login page shows login with Google if required

2025-04-01

Web App (version 2.11.5-c585)
- Fix: Support profile switching with Google login
- Fix: Forgot password link on email login

2025-03-28

Web App (version 2.11.4-2504)
- Feature: Support profile switching
- Enhancement: Web app auto updates while on login page

2025-03-27

Web App (version 2.11.3-cd79)
- Feature: Digital IO activity report UI
- Fix: Rescan for device discovery without changing discovery protocol
- Fix: Digital IO event search filter
- Fix: Revert move after dragging a Place
- Fix: Resize analytic thumbnails breaks search infinite scrolling
- Fix: Can't set a stream to "warped" if it is set for h.265 codec
- Fix: Play/pause button state on initial clip playback

Backend (version: 6821)
- Feature: Support MS Entra for SSO and user sync
- Feature: Support multiple user profiles
- Feature: Lockdown immunity on Mercury doors
- Feature: Digital IO activity report
- Enhancement: Email verification email format improvement
- Enhancement: Support 35 bit HID Corp 1000 card format
- Fix: Analytic snapshot capture could stop

2025-02-05

Web App (version 2.10.6-2ed1)
- Enhancement: Recent analytics panel refreshes every 15 sec
- Enhancement: Show device IP address in device search selection
- Fix: Properly detect customer level for create credential
- Fix: Improve size of Place selector on people and door config pages
- Fix: Allow search filters to be closed on Android tablet
- Fix: Calculation of available readers on QXEP-1502

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2025-01-29

Web App (version 2.10.4-1db6)

- Feature: Support Profile M analytics
- Feature: Support H.265 video if browser supports it
- Enhancement: Device-sibling tree would be nice to have on doors page
- Enhancement: UI shows errors on Mercury config if users are in too many groups or have too many credentials
- Fix: Timeline panel occasionally shrinks on mobile
- Fix: Download to desktop export is ridiculously slow
- Fix: Mechanical PTZ control lost when mouse leaves window
- Fix: Device connection icons don't show connection status
- Fix: Recent events accurately reflect stream and/or device connection event

Backend (version: 6272)

- Feature: Support Profile M analytics
- Feature: Support H.265 video
- Enhancement: Rules support "delay" parameter added via advanced mode
- Enhancement: New action to refresh device status that could be out of sync after restart
- Fix: User is not informed of bad password on iPro
- Fix: Device and camera connection event panels are too slow to be useful on prod
- Fix: "Unknown credential" copy-paste error on enrollment on QXEP
- Fix: LP1501 Serial should only display 2 readers on OSDP or 1 reader on Wiegand
- Fix: Snapshots are stored on gateway for cameras w/o cloud storage subscription
- Fix: Can set I-Pro VMD over gotowebpage

2024-10-30

Web App (version 2.8.2-e5ac)

- Enhancement: Responsiveness of long timelapse searches
- Fix: Door event card where user has empty name
- Fix: Gaps in preloaded timeline search video
- Fix: Timeline cursor jumps backwards on play in non-continuous video recording
- Fix: Configuration of multiple gateway bandwidth schedules

2024-10-17

Web App (version 2.8.1-b8de)

- Enhancement: Timeline playback performance
- Enhancement: Config page toolbar filters are clearable
- Fix: Disable autoplay for support users on clips page
- Fix: Place hierarchy tooltip on unified door widget and door recent event cards

Backend (version: 5574)

- Chore (Maintenance): Delete events and snapshots by day
- Fix (Agent): Door actions on door without camera
- Fix (Clips): Manual delete of clip
- Fix (Maintenance): Snapshot delete on gateway missing drive id

2024-09-18

Web App (version 2.7.6.3713)

- Fix: Revert search by video source ID

2024-09-16

Web App (version 2.7.5.38b1)

- Feature: Audit log
- Feature: Camera health report
- Enhancement: Holiday sets show dates and can be configured into the future
- Enhancement: Maintain list page state
- Enhancement: Link to related Camera from Door info page
- Enhancement: Dynamic TURN server selection by timezone
- Enhancement: Dewarp I-Pro S417
- Fix: trim spaces from Person config email address field
- Fix: View update button was hidden
- Fix: Sort columns in child tables on Device info page
- Fix: Prevent repeated "Reload" prompt in PWA
- Fix: Black screen after PWA update
- Fix: Advanced Rule editing allows "occurrence" guard
- Fix: Timeline playback pause outside 15 minute window
- Fix: Mechanical PTZ token expired after inactivity
- Fix: Some thumbnails did not respect fit vs fill setting

Backend (version: 5498)

- Feature (Agent): Audit log
- Feature (Agent): Camera health report
- Enhancement (Agent): Dynamic segment storage buckets
- Enhancement (Signal Server): Reduce STUN server count
- Enhancement (Signal Server): Add west coast TURN server
- Enhancement (Mercury): Update driver to 4.7.1.40
- Fix (minion): Enable TLS with Axis devices
- Fix (minion): "Access Denied Unknown" with Axis door controllers
- Fix (minion): Editing holiday sets used on multiple schedules
- Fix (minion): Don't set timezone on Hikvision cameras because they are non-standard
- Fix (minion): End event on I-Pro motion region analytic

- Fix (Mercury): Allow multi-swipes for rule triggers
- Fix (Mercury): PIN credential without card number reports correctly
- Fix (Replication): Don't sync user settings to gateways
- Fix (Signal Server): Stream video for a user and camera below gateway place
- Fix (Agent): Could not update views at root scope
- Fix (Agent): Camera delete failed due to backend timeout

2024-06-26

Web App (version 2.6.11-060a)

- Enhancement: Progress indicator on download to client exports
- Enhancement: Public or private view can be device default
- Enhancement: Clips page shows number of times a clip has been viewed
- Enhancement: Schedule names and holiday sets link to their edit pages
- Enhancement: Warning on Doors info page for possible config errors
- Enhancement: Lazy load images to improve page render time
- Fix: Improve peer connection time when switching timeline to cloud
- Fix: Clip export time chooser overflow in Firefox
- Fix: User with People Config privilege could not edit a user's Groups
- Fix: Could not edit a device that failed to connect
- Fix: Disabled credentials show "disabled" vs "inactive"
- Fix: Access device wiring page shows activity on monitor inputs and relay outputs
- Fix: Disable autoplay on timeline
- Fix: Door info page did not show all relevant Permissions
- Fix: Door settings table shows REXs and reader direction

Backend (version: 5148)

- Enhancement (Clips): Exported clips can play before completely downloading
- Enhancement (Maintenance): Handle segments with no expiration time
- Enhancement (Auth): Increase passkey registration timeout
- Fix (Clips): Timelapse clip generation could be missing snapshots
- Fix (Clips): Clips could stall processing
- Fix (Agent): Motion snapshots could be missing
- Fix (Agent): Working devices could be shown as disconnected
- Fix (Replication): Improve gateway sync
- Fix (Mercury): Weigand0 readers
- Fix (Mercury): Multiple holiday schedules
- Fix (Upload): Expiration could be missing
- Fix (API): Remove id from createPersonGroups endpoint

2024-06-03

Web App (version 2.6.9-c0e6)

- Feature: Timelapse playback

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- Feature: Passkey login
- Feature: Private views
- Feature: Rule execution traces
- Enhancement: Client settings can be accessed non-disruptively from toolbar
- Enhancement: Larger thumbnails when choosing cameras
- Enhancement: Go to timeline from Person/Camera/Door recent events cards
- Enhancement: Show progress indicator on clip creation
- Enhancement: Gateway log files can be downloaded from web client
- Fix: Places tree scrolls when dragging a Place to move it
- Fix: Device TLS selection toggles automatically on port value
- Fix: Initial snapshot was missing as search video loaded
- Fix: PWA login allows you to choose from multiple Google accounts

Backend (version: 5109)
- Feature: Timelapse recording including cloud timelapse subscription
- Feature (Mercury): MP series support
- Enhancement (Minion): handle Oncam events like loitering and linecross
- Enhancement (Agent): use digest fetch for rule webhooks with credentials
- Fix (Mercury): Holiday schedules with no blocks were ignored
- Fix (Mercury): Allow people to be in more than eight groups
- Fix (Mercury): Credentials created respecting local timezone
- Fix (Mercury): Some schedules required an "always" schedule to activate
- Fix (Mercury): IP change does not require controller reboot
- Fix (Agent): Snapshot captured for virtual events
- Fix (Media): Snapshots could be corrupted from some cameras

2024-04-12
Web App (version 2.5.1-ab20)
- Fix: Public shared clips failed

2024-04-09
Web App (version 2.5.0-13d2)
- Feature: Timeline share URL
- Fix: Role and Group aggregate person count respects current scope
- Fix: Schedule create/edit could extend block to next day
- Fix: Hidden live videos do not consume resources
- Fix: Keyboard shortcut prevented copying with ctrl-c
- Fix: Print badge on single page

2024-04-02
Web App (version 2.4.7-14fa)
- Feature: New door-specific rule actions

- Enhancement: Timeline navigation with URL parameters
- Enhancement: Goto Timeline action on cameras
- Enhancement: Delete button to disassociate a camera from a door
- Enhancement: Show notice when searching video from an offline gateway
- Enhancement: Move status columns to the left for easier viewing in list views
- Enhancement: Clip creation from timeline could obscure video of interest
- Enhancement: Role list page shows counts of people and privileges
- Fix: Double-tap to go to full screen works on iOS
- Fix: Door access time duration allows 0 sec
- Fix: Can edit rule condition operator
- Fix: Display video decompression errors only when it stops frame decoding
- Fix: Long names could cause list view cells to be blank
- Fix: Camera selection in door form blank when too many cameras in scope
- Fix: Camera and gateway selection respects user's current scope
- Fix: Unauthorized message shown on misconfigured camera
- Fix: Input focus when adding email address for notification rule
- Fix: Login page refresh while entering credentials

Backend (version: 4832)
- Feature: (Agent) Expose OpenAPI endpoint
- Feature: (Agent) PTZ preset rule action
- Enhancement: (Agent) Virtual events include video source
- Enhancement: (Agent) Rule notification emails include URL to rule
- Enhancement: (Minion) Support new Hanwha camera analytics
- Fix: (Agent) Proxy to Mercury defaults to TLS
- Fix: (Agent) Prem license JWT edit
- Fix: (Agent) Missing media profile could delete video segments from database
- Fix: (Agent) Credential updates failing
- Fix: (Agent) Allow access to isDefault on View
- Fix: (Agent) Remove excess columns from replication
- Fix: (Agent) Related records could be deleted on Place delete
- Fix: (Agent) Snapshot not updated on extended events
- Fix: (Agent) Snapshots could be stored on non-important events
- Fix: (Network) Log starting and stopping NICs
- Fix: (Upload) Expire time computed from segment time not upload time
- Fix: (Flow) Second action on rule not executing
- Fix: (Replication) Expire streams to reduce service memory
- Fix: (Replication) Places under areas could fail sync
- Fix: (Replication) Partial sync could fail leading to full sync

2024-03-06

Backend (version: 4790)
- Fix: (Agent) Allow editing credentials

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2024-03-05

Web App (version 2.3.20-12fd)

- Fix: Clips with expiration time could hang clips list page

Backend (version: 4784)

- Fix: (Mercury) Erroneous expired credentials

2024-03-01

Web App (version 2.3.20-9897)

- Feature: Custom roles and granular privileges
- Feature: Integrator and end user privacy controls on Places
- Feature: Allow requiring 2FA at a Place
- Feature: Drag and drop edit of Places tree
- Feature: Webrtc video connections initiate via new signal server
- Feature: UI to detach Mercury panels for maintenance
- Enhancement: Enable Rtsp camera create
- Enhancement: Places tree opens to selected Place
- Enhancement: Improve dewarping for WV-X4571L
- Enhancement: Notify user holiday sets do not apply to rules currently
- Enhancement: Link to examples on Rules list page
- Enhancement: Easy advance/retreat search by 24 hrs
- Enhancement: Show MAC on camera and device list views
- Enhancement: Allow adding Aperio hub to LP1501
- Enhancement: Vibrate Android mobile device on momentary door unlock
- Enhancement: Double click to timeline cursor starts playback
- Fix: Video search controls did not scroll horizontally in iOS PWA in full screen mode
- Fix: Do not hide toolbar when scrolling search results
- Fix: Search state persisted upon PWA restart
- Fix: Black screen when auth takes longer than expected
- Fix: Player restarts stalled shared peer connection on timeout
- Fix: Video performance of Chrome and Firefox on iOS
- Fix: Sorting on camera list page
- Fix: Clip expiration icon shown when clip is near expiration time
- Fix: Delete of a schedule that is used by a permission
- Fix: Searching schedules on schedule list page
- Fix: Timeline searches play immediately
- Fix: Selecting the same camera twice in a row on Timeline did not work
- Fix: Wrapping of Camera name in timeline control
- Fix: Must select a Place before People when creating a Group
- Fix: Fix search for People to add to Group or Schedule to Permission, etc
- Fix: Update scope settings on logout/login as new user
- Fix: Broken avatar image when choosing Person for Rule email notification
- Fix: Live sidebar does not overlap fullscreen video

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Backend (version: 4784)

- Feature: (Agent) Granular privileges
- Feature: (Auth) Place can require users to use 2FA
- Feature: (Auth) Support passkey login
- Feature: (Replication) Custom roles are synced to gateways
- Feature: (Agent) Separate Webrtc signal server service
- Feature: (Agent) Endpoints for basic CRUD API
- Enhancement: (Mercury) Support Mercury v2.0 firmware
- Enhancement: (Mercury) Support Mercury MP controllers
- Enhancement: (Mercury) Support 36bit C10202 card format
- Enhancement: (Minion) Backend supports ONVIF DIO
- Enhancement: (Minion) Allow disconnecting Mercury controllers for maintenance
- Enhancement: (Agent) Indexes to improve filtered searches
- Enhancement: (Agent) Gateway NIC info stored in cloud
- Enhancement: (Agent) Indicate if rule can run locally on gateway
- Fix: (Mercury) QXEP controllers required an Always schedule
- Fix: (Mercury) No longer require doors to be created before adding DIO
- Fix: (Network) Don't stop on error starting NIC
- Fix: (Flow) Events other than connection should not trigger on device id
- Fix: (Flow) Multiple "Scheduled At" triggers
- Fix: (Flow) Flow service does not crash if Agent is not running
- Fix: (Flow) Clear firing data on camera delete
- Fix: (Flow) Action suppression did not properly check length
- Fix: (Replication) Replication could fail to start after error
- Fix: (Minion) Crash on empty auxCommands element
- Fix: (Minion) Retry on rtsp connection failure
- Fix: (Minion) Camera reboot command failing
- Fix: (Minion) Support Axis A1001 with mixed 12V and relay lock type
- Fix: (Minion) Pull message limit on old Vivotek models
- Fix: (Auth) Do not leak email info
- Fix: (Media) Scan segments action repopulates segment database
- Fix: (Agent) Events created from gateway client propagate to cloud
- Fix: (Agent) Improve gateway offline detection
- Fix: (Agent) Ensure metadata load failure is detectable
- Fix: (Agent) Updates could cause door controllers to enter "needs update" state
- Fix: (Agent) Place lockdown event showed "lifted" for both start and end
- Fix: (Agent) Client properly shows door state after revert to schedule

2024-02-02

Web App (version 2.2.2@pre-patch)

- Feature: Check for app updates menu item and status icons

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2024-01-19

Web App (version 2.2.2-822e)

- Feature: "Scheduled At" trigger for rules
- Enhancement: Rules can have multiple triggers
- Enhancement: Use Managed Media Source in Safari (requires iOS17+, MacOS 13+)
- Enhancement: Fisheye dewarped video fills entire video panel
- Enhancement: Can activate or release place lockdown from Place Info page action
- Enhancement: Scope can be incremented from Places tree action
- Enhancement: rtsp URL prefix in camera device address causes device type to be rtsp
- Enhancement: Show Place hierarchy in Person recent event card
- Enhancement: Show Place and hierarchy of Schedule in Schedule chooser
- Enhancement: Schedule defined by integrator is available for all integrator's customers
- Fix: iPhone intermittently shows black screen on video
- Fix: Disable Add I/O button if device has no available I/O
- Fix: Show camera make in camera table on place view info page
- Fix: Camera for door and gateway for device choices limited to meet sync criteria
- Fix: Unified widgets scrolled out of mobile view consumed resources

2023-12-21

Web App (version 2.1.4-9ffb)

- Fix: REX and reader validation errors when creating a door
- Fix: Consistency with advanced mode changes when selecting DIO action on rule
- Fix: Place lockdown tooltip

2023-12-20

Web App (version 2.1.2-e747)

- Feature: Support Axis A1210 and A1610 door controllers
- Feature: Access type moved to reader so a door can have PIN on one side of door
- Feature: User setting for alarm sound on QXEP door held open
- Enhancement: Allow "Scheduled At" trigger for rules via advanced mode
- Enhancement: maxPacketLifeTime in dataChannel to improve TURN mode throughput
- Enhancement: Webrtc speed test from camera config page
- Enhancement: Disable html video picture in picture (not supported in Firefox)
- Enhancement: Improve notification when web app update is available
- Enhancement: Show schedule description in schedule list
- Enhancement: Show Place hierarchy tooltips in dropdown selectors and tags
- Enhancement: Hosts file export for offline mode includes place hierarchy context
- Enhancement: Search for gateway connection shows online/offline
- Enhancement: Confirmation dialog when deleting a door
- Enhancement: Show make, model, serial, firmware on devices list view
- Fix: Slow player retries on ICE failure
- Fix: Validation of credential uniqueness when user is homed below customer level

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- Fix: Offline access notification not shown to integrator users
- Fix: Don't show full thumbnail size if there is no thumbnail on a resource
- Fix: Manually type year in date picker, e.g. for credential expiration
- Fix: Errors and incomplete results searching config pages, e.g. People, Cameras
- Fix: Show nothing instead of "unknown" when a person has no credential
- Fix: Reduce excessive app refreshes
- Fix: Reduce graphql subscriptions when views sidebar is open
- Fix: Errors when editing/deleting a schedule

Backend (version: 4433) agent, minion, mercury, replication, media, qxdc, auth

- Feature: (Minion) Support A1210/A1610
- Feature: (Qxdc) Webrtc speed test
- Enhancement: (Qxdc) Upgrade libdatachannel to 0.19.4
- Enhancement: (Minion) Axis controller supports card and pin
- Enhancement: (Mercury) Support supervised normally open inputs
- Enhancement: (Mercury) Options for warning sound on door open too long
- Fix: (Minion) A1001 supports OSDP and relay lock
- Fix: (Minion) Unlock schedule on Axis controllers using holiday set with multiple blocks
- Fix: (Mercury) Supervised input did not show fault state

2023-11-08

Web App (version 2.0.12-54d4)

- Fix: Users with ManagePeople role can edit credentials
- Fix: Uniqueness check on credentials when user is below Customer Place

2023-11-02

Web App (version 2.0.11-2ae8)

- Fix: Timeline searches with more than 500 events in timeline range
- Fix: Add Place hierarchy to views sidebar and clips cards
- Fix: Slow player retries on backend errors

2023-10-27

Web App (version 2.0.10-83c2)

- Enhancement: All instances where a Place is shown have a hierarchy tooltip
- Enhancement: Support webrtc relay-only mode
- Enhancement: Tooltip on older gateways not compatible with new replication
- Enhancement: Description field for devices and gateways
- Fix: People selection in groups
- Fix: Add Door Contact Supervisor 1to10k
- Fix: Permission create allowed groups and schedules outside scope
- Fix: Place validation on credential create
- Fix: Updating profile picture

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- Fix: Do not allow person to be moved across customers
- Fix: Video HUD works via keyboard shortcut
- Fix: Live data channels not closed when "force cloud" set
- Fix: Error message upon login attempt with an email not assigned to a user

Backend (version: 4250)
- Fix: (Cloud Agent 4282) Handle event start/end times in wrong order
- Fix: (Replication) Ignore updateAt columns

2023-10-19

Web App (version 2.0.9)
- Enhancement: Place column in lists shows hieararchy
- Fix: Mobile styling of clip search dropdowns
- Fix: Initial Place tree selection does not update the Place
- Fix: Clips start playing immediately when loaded in clip search
- Fix: Proper error message when deleting a Place that has associated rules
- Fix: Group member selection limited to hierarchy level
- Fix: Events could be missed in searches covering multiple gateways
- Fix: Responsiveness in place tree search

Backend (version: 4250)
- Fix: (Agent) Don't call connectDevices in gateway mode
- Fix: (Minion) Better handling of timeouts and disconnections to Axis controllers
- Fix: (Minion) Retry Onvif pull message in some error cases
- Fix: (Minion) Could get credential not found after controller update
- Fix: (Replication) Force syncing of gateway in all scenarios
- Fix: (Flow) Better error handling

2023-10-13

Web App (version 2.0.8)
- Enhancement: Clip search auto play state saved to local storage
- Enhancement: Shared clip url can be copied from shared clip info dialog
- Enhancement: Styling of alert messages in video player
- Enhancement: Show a table of affected doors on Permission info page
- Enhancement: Default names when creating door readers, locks
- Enhancement: Permission create requires Place selection first
- Enhancement: More information on Mercury device wiring table
- Fix: Click on Clip Audit Log row linked to invalid person id
- Fix: Video player was not shown on public saved clips shared by email
- Fix: Create clip without expiration error
- Fix: Hide disabled cameras in live widgets sidebar

- Fix: Consistent ordering of cameras in live sidebar and cycle cameras
- Fix: Highlight camera info link from live camera side bar widget
- Fix: View live sidebar updates without refresh
- Fix: Places tree indicates place lockdown
- Fix: Styling on gateway bandwidth chart options
- Fix: Device name shown on search event cards for device events
- Fix: Validate person must have an email if a role is assigned

Backend (version: 4244)
- Fix: (Agent) Don't update door controller config in offline mode
- Fix: (Flow): Only one rule action was being run
- Fix: (Replication): Credential sync
- Fix: (Minion) Could stop receiving events from Axis controllers
- Fix: (Auth) Forgot password works for premises installations

2023-10-05

Web App (version 2.0.6)
- Fix: Search when adding people to group
- Fix: Error when editing some Permissions
- Fix: Video player was not shown on saved clips info page
- Fix: Clip audit log could fail to populate

2023-10-04

Web App (version 2.0.4)
- Feature: New settings page supports 2FA, logout everywhere, and offline gateway login
- Feature: Rules engine supports Lockdown actions and DIO trigger/actions
- Enhancement: Update to Vue3 framework
- Enhancement: Improve Places tree performance
- Enhancement: Add dewarping for Oncam C-12 cameras
- Enhancement: Door widget indicates unified with camera
- Enhancement: Show OS drive usage
- Enhancement: People list view shows Place column
- Enhancement: Guardrails to prevent Integrator from creating a Group across customers
- Enhancement: Credentials can only be added for users at Customer level or below
- Enhancement: Gateway icons show status of cloud-gateway replication
- Enhancement: Improved confirmation message when sharing uploaded clip
- Fix: Hide PTZ preset button on cameras that do not support absolute movement
- Fix: Only show "update" config option for access devices
- Fix: Search event card indicates Place lockdown lifted

- Fix: Last 30 days door report does not include today
- Fix: Disabled devices had incorrect icon on devices list page
- Fix: Clicking same date in timeline calendar set date to 1969
- Misc bug fixes

Backend (version: 4221)

- Feature: (Auth) Support 2FA
- Feature: (Auth) Enable user to log out from all active sessions
- Feature: Support DIO on Mercury and ONVIF devices
- Feature: (Minion) Support legacy Arecont that do not emit pull point events
- Feature: (Replication) Now continuously syncs cloud data to gateway
- Enhancement: (Agent) Virtual door access mapped to application user
- Enhancement: (Minion) Reboot device that fails createPullpoint, i.e. no events
- Enhancement: (Minion) Mercury and Axis Door controllers support supervisor input
- Enhancement: (Minion) Support Card & Pin access type on Mercury controllers
- Enhancement: (Mercury) Support supervisor inputs
- Enhancement: (Qxdc) Update libdatachannel to v0.18
- Enhancement: (Qxdc) Library logging follows env setting
- Enhancement: (Network) Identify NICs with access to internet
- Enhancement: (Agent) Backend supports device trigram search (not in UI)
- Enhancement: (Agent) Webhook rule payload supports dynamic json content
- Enhancement: (Flows) Rules that can execute only on gateway run w/o cloud
- Fix: (Minion) Cameras could get stuck in connecting state
- Fix: (Minion) Costar CBI2H51IFP failed to connect
- Fix: (Minion) Handle network loss during ONVIF SOAP calls
- Fix: (Minion) Door state incorrect with door contact of "none"
- Fix: (Minion) Axis controller with Aperio door displays inconsistent battery level
- Fix: (Minion) Handle events with duplicate PIN from Axis door controller
- Fix: (Minion) Handle door unknown event from Axis door controller
- Fix: (Minion) Indefinite lock/unlock indicator when door is already locked
- Fix: (Minion) AccessGranted events on Mercury doors with no door contact
- Fix: (Qxdc) Crash on http error response
- Fix: (Qxdc) Avoid dns lookup on requests to minion
- Fix: (Mercury) Beep on door force event
- Fix: (Mercury) Handle nak response from controller
- Fix: (Agent) Door count limit on LP1502
- Fix: (Agent) Memory leak that caused periodic restarts
- Fix: (Agent) Axis Aperio failed after change device IP address
- Fix: (Agent) Events on one video source of a device affected all device's video sources
- Fix: (Agent) Clip made from cloud and local video could be out of order
- Fix: (Agent) Don't send welcome email if user has no role
- Fix: (Flow) Rule firing data could get stuck on
- Fix: Deployment cleans unused images to free local disk space

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2023-06-23

Web App (version 1.17.7)

- Enhancement: Faster search queries for timeline and filtered events search
- Fix: Video player controls alignment on mobile
- Fix: Dragging Live sidebar widgets after using mechanical PTZ controls in Chrome
- Fix: Better video reconnection when webrtc changes due to browser idle/sleep
- Fix: Player will restart live if camera disconnects and then reconnects
- Fix: Player does not indiscriminately restart peer connection on video errors

Backend (version: hotfix/202303.3882)

- Enhancement: Efficient events view
- Fix: Person could not belong to multiple permission groups targeting the same device
- Fix: Permissions for two doors on the same QXEP SIO
- Fix: Holiday sets limited for single QXEP controller
- Fix: PTZ preset names are correct
- Fix: Integrator can allow customer to change CS options

2023-05-02

Web App (version 1.17.3)

- Feature: Mechanical PTZ control
- Feature: Views stack on mobile and hidden cameras don't consume resources
- Enhancement: Easier to see and change license on gateway
- Enhancement: Spinner when Player unpauses after being hidden by browser tab switch or mobile scrolling
- Enhancement: Informative notices when exceeding license or hardware limits when adding devices or services or changing cloud storage option
- Enhancement: Gateway choice has more context when adding a new Device or Camera
- Fix: Delete failed from Devices page for cameras with local video recorded
- Fix: Going to full screen video from Camera setup page in mobile portrait mode
- Fix: Controls to return from full screen mode are offscreen on iOS devices
- Fix: Add columns for ONVIF discovery results
- Fix: Cloud storage options match price list names
- Fix: Dewarping of i-Pro WV-S4576L

2023-04-11

Web App (version 1.16.16)

- Fix: Browser tab crashes on older iOS devices
- Fix: Metrics OSD showed 0 dpfs in Firefox while in dptz
- Fix: Camera OSD settings changes take effect immediately in live

2023-04-04

Web App (version 1.16.15)

- Enhancement: People, Camera, and Door pages show better context on recent event cards
- Fix: Incorrect validation when adding a new Mercury door
- Fix: Video player errors cause stalls on iOS devices
- Fix: Had to manually set to iOS mode in Chrome when running on iPad

2023-04-01

Web App (version 1.16.13)

- Enhancement: Warn user if schedule has too many blocks for QXEP controller
- Fix: Showed error while clip export was processing
- Fix: QXO systems showed expired license

2023-04-01

Backend (version: hotfix/202303.3754)

- Enhancement: Support REX bypass mode
- Fix: Connection events could be handled out of order
- Fix: Handle QXEP config with too many schedule blocks
- Fix: Ensure QXEP reconnects after gateway update
- Fix: LP1501 was limited to 7 SIO
- Fix: Support QXEP keypad mode
- Fix: Avigilon H3 not detecting motion event

2023-03-13

Backend (Cloud-only version: 3682)

- Fix: Clip export from older, continuous recording cameras failed

2023-03-11

Web App (version 1.16.9)

- Feature: Bandwidth management on Gateways
- Feature: Aperio wireless lock support via QXEP and Mercury panels
- Enhancement: Reboot Devices and Cameras from their config menu
- Enhancement: Show gateway model number on gateway info page
- Enhancement: Toggle between available and deleted clips on clips list
- Enhancement: Show cloud icon on search thumbnail if video is available in cloud
- Enhancement: Create device button on door page
- Enhancement: Wireless door creation requires lock address be filled in
- Fix: Save button did not always enable after editing camera settings
- Fix: Allow release of lockdown on a Place from which all doors were deleted
- Fix: Prevent page reload when toggling Camera Enable button

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- Fix: Devices table on Places Info had root scope vs local scope devices
- Fix: Places Info sub tables show horizontal scroller
- Fix: Gateway license updates and only display License Info for Premise appliances
- Fix: Maintain card height on navigation away and to Clips card views
- Fix: Timeline playback cursor stopped moving when user clicked on timeline or buttons
- Fix: On schedule edit, delete key deleted schedule block not edited text
- Fix: Live page "create view" panel layout was incorrect after some order of operations

2023-03-11

Backend (version: 3676)

- Feature: Aperio wireless lock support via QXEP and Mercury panels
- Feature: Qx-Upload service allows scheduling video uploads to cloud
- Enhancement: Improved search on Gateways list/card page
- Enhancement: Sort people by active credentials
- Enhancement: Show connected status of QXEP and Mercury SIO boards
- Enhancement: Gateway Redis uses unique credentials
- Fix: (Agent) Support device reboot command
- Fix: (Agent) Changing camera associated with door required pushing update to door
- Fix: (Agent) Sort people by Employee ID
- Fix: (Agent) REX on A1601 showed "Access Denied Unknown"
- Fix: (Agent) Apply license for on-prem systems
- Fix: (Agent) Lock disabled on A1601 Aperio single door setting
- Fix: (Agent) Regenerate door controller pinout on config update
- Fix: (Agent) Schedule thumbnails show properly for on-prem systems
- Fix: (Clips) Exported clip generation failure on Uniview cameras
- Fix: (Mercury) Handle controllers misreporting EP for LP
- Fix: (Minion) Changing compression on connected stream could cause reconnection and snapshot issues
- Fix: (Rules) Stuck rules engine status

2023-01-31

Web App (version 1.15.3)

- Feature: Schedules drag and drop editing
- Feature: Schedules thumbnail reflects schedule's content
- Fix: Smart tags on search were empty after scope change
- Fix: Account information is displayed correctly by user and Place type
- Fix: Customer can update their root place
- Fix: Gateways banner was always showing default icon
- Fix: Gateway name on Device config page banner is a link
- Fix: Device discovery action sometimes failed to initiate new scan
- Fix: Creating a Device from results of ARP scan created unknown Device

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- Fix: Better notification of required fields when adding a Device
- Fix: Group and Schedule name on Permission config page banner are links
- Fix: Multi-sensor relationship on camera info page is sorted consistently
- Fix: Cameras in No Events or Disabled state showed Disconnected icon on Device page
- Fix: Door icons organized left-to-right with cascading status (like cameras)
- Fix: Door monitor icon in list view matches card view when there is no door contact
- Fix: Battery status icon shown in door list view
- Fix: Axis door controller does not require initial update to beep
- Fix: Updating Aperio door sensor address does not enable Save Door button
- Fix: Paste Person Credential with "-" delimiter into Site-Card works again

2023-01-10

Web App (version 1.14.12)

- Fix: Error creating doors from QXEP controllers
- Fix: Changing expiration time when creating clips on Search page

2023-01-07

Web App (version 1.14.11)

- Feature: Timeline search
- Enhancement: Holiday set display starts at current month
- Enhancement: Better messaging when disabling/deleting a camera
- Enhancement: Show camera's oldest media on both disk and cloud on info page
- Enhancement: Gateway settings page shows disk utilization and NICs
- Enhancement: Improve video performance on desktop Safari
- Fix: Don't allow delete of device that has cloud video otherwise video is orphaned
- Fix: Streams stop vs pause when changing views
- Fix: User at Site can't create credential for Person at Area under the Site
- Fix: Mobile device form could obscure action buttons
- Fix: Do not allow user at scope above Integrator to "Update modified" doors
- Fix: Intermittent "address and port already in use" error on camera edit
- Fix: Intermittent unenabled save button on camera edit
- Fix: Stale camera names shown in menus after scope change
- Fix: After inactivity, search results could stop at 80% with no user notification
- Fix: Gateway icon on Devices list view is not red when disconnected
- Fix: When creating a rule, the Devices dropdown overlaps text
- Fix: Can't see modal popup for the Place selector when using the mobile browser
- Fix: Rule Firing data could be empty on some events
- Fix: Issues with creating and editing from Devices page
- Fix: Do not allow user at scope above Integrator to run reports
- Fix: Reset report when scope changes
- Fix: Erroneous "Unable to connect" message

- Fix: Selections not shown after multiselect operator when creating a Rule
- Fix: Access control credentials fields are limited to numeric

Known Issues
- Issue: Digital PTZ is disabled in Firefox when in iOS mode
- Issue: Video stalls on newer iOS devices

2023-01-07

Backend (version: 3345)

- Feature: Timeline search supported with MPR data
- Enhancement: More informative Access Control Reports
- Enhancement: Support Illustra Pro 3 / 4
- Enhancement: Receive motion events from Avigilon cameras
- Enhancement: Support iPro i-vmd analytics
- Enhancement: Cameras default to event-based recording
- Chore: Update all services to Node 18
- Chore: (Mercury) Update Mercury driver to 1.32
- Chore: (Agent) Schedule icon creation
- Chore: (Agent) License provides max resource capacity and expiration for gateway
- Chore: (Clips) Do not require an event id on a clip to support export of continuous video
- Fix: (Agent) Cloud expiration values not being updated after upload
- Fix: (Agent) Delete all local segments for deleted devices
- Fix: (Agent) Active field on Rule notification does not display "false" properly
- Fix: (Qxdc) Possible seg fault due to logging
- Fix: (Minion) Unlock indefinitely followed by revert properly reports lock state
- Fix: (Mercury) Validate user-inputted controller model
- Fix: (Mercury) Corrupted credential in database
- Fix: (Mercury) Properly set controller NTP
- Fix: (Mercury) Device info page shows correct MAC address
- Fix: (Minion) Locking down an unlocked door properly shows lockedDown vs Locked
- Fix: (Mercury) Controller could get out of sync
- Fix: (Mercury) Set default web login credentials
- Fix: (Minion) Don't make mechanical PTZ calls to cameras that only support DPTZ
- Fix: (Discovery) Include name field in Mercury results
- Fix: (Discovery) Duplicate IP address for device with same MAC address
- Fix: (Minion) Deleting an ONVIF device while it is waiting to connect
- Fix: (Minion) Improve snapshot retrieval for all media profiles
- Fix: (Minion) Some camera analytic events did not have end, e.g. Uniview
- Fix: (Minion) Unknown events from some Axis cameras
- Fix: (Minion) Camera that fails ONVIF GetVideoEncoderConfigurationOptions shows current values
- Fix: (Minion) Handle generic timezones with+/-, e.g. Phoenix

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- Fix: (Minion) Avigilon cameras could fail due to audio tracks
- Fix: (Minion) Improve connection to Arecont multi-imager cameras, e.g. AV20585DN

2022-10-28

Web App (version 1.13.5)
- Fix: Support iOS 16.1+ and MacOS 13+

2022-09-30

Web App (version 1.13.4)
- Feature: Holiday Sets UI paradigm update
- Enhancement: Device list view shows device type icon and IP address
- Fix: Message upon user-initiated reconnection of door
- Fix: Alphabetize services on Gateway system info page
- Fix: Follow normal icon left-right order on Device card
- Fix: Links work on Camera info page multi-sensor diagram
- Fix: Camera list view shows Gateway name and disables icons to match card view
- Fix: Consistency of fields on Camera and Device info page
- Fix: Misleading tooltip when disabling a Person
- Fix: Camera quality must have minimum value of 1
- Fix: Door widget video freezes when switching tabs
- Fix: Editing Devices of type Camera from Devices edit page
- Fix: Clips metadata is displayed from new Clips

2022-09-03

Backend (version: 2681)
- Feature: (Mercury) Mercury door controller microservice
- Feature: (Discovery) Discover Mercury controllers
- Feature: (Agent) Support mechanical PTZ control (no UI support yet)
- Feature: (Maintenance) Maintenance microservice to prune snapshots and cloud video
- Feature: (Network) Network microservice to monitor upload status
- Feature: (Agent, Clips) Public clip sharing includes saved clip metadata
- Feature: (Agent) Send User Email When Invited to System
- Feature: (Minion) Support Vivotek Smart VCA
- Enhancement: (Proxy) Listen on port 20825 on port forwarded QXOP systems
- Enhancement: (Agent) No longer delete Device when door is deleted
- Chore: (Media) Update libdatachannel WebRTC library
- Chore: (Agent) Add VideoSourceStorageAudit table to efficiently remove events
- Fix: (Minion) Fix stream to process mapping
- Fix: (Minion) Improve memory usage by caching device WSDL
- Fix: (Minion) Access granted events are not emitted during lockdown
- Fix: (Minion) Support Axis 10.7 firmware
- Fix: (Minion) Support OpenPath camera streaming

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- Fix: (Minion) Faster indication of stream status disconnect
- Fix: (Minion) Ensure backoff timer works during device connection sequence
- Fix: (Minion) Axis controller events could report user from incorrect site
- Fix: (Minion) Fix erroneous NoEvents state after device reconnection
- Fix: (Minion) Aperio on A1001 with no lock monitor caused disconnection
- Fix: (Minion) Stream failed due to bad character in device id
- Fix: (Minion) Support Axis A1601 1.84.4 firmware
- Fix: (Minion) Prevent crash if piped media data stream is bad
- Fix: (Minion) Ensure schedule definition does not exceed character limit
- Fix: (Minion) Improve event snapshot reliability on motion events
- Fix: (Minion) Support events from Illustra Pro3
- Fix: (Minion) Fix health endpoint
- Fix: (Agent) Consistent "from" and "replyTo" addresses from QXOP system email
- Fix: (Agent) Remove gateway connection log message from QXOP systems
- Fix: (Agent, Flow) Schedules with PT0H0 evaluate incorrectly
- Fix: (Agent) Duplicate snapshot upload
- Fix: (Agent) Validate timezones on Place changes
- Fix: (Agent) Ensure Hasura metadata is properly applied
- Fix: (Agent) Access controller status events are ordered by correct event queue
- Fix: (Agent) Agent crash when other microservices are missing in newer Node versions
- Fix: (Agent) Improve efficiency of camera cloud storage metric
- Fix: (Agent) Do not include lastEventID in search results
- Fix: (Agent) Search segments is faster on QXOP systems
- Fix: (Agent) Place lockdown rule fires on QXOP systems
- Fix: (Agent) Email address deleted from rule action still receiving notifications
- Fix: (Agent) Configure a door added through device discovery
- Fix: (Clips) Compute correct file size

Web App (version 1.12.4)
- Feature: Support Mercury door controllers
- Feature: Devices config page
- Enhancement: (Video Player) Reduce stutter in iOS mode on phones with fast CPU
- Fix: Go To Webpage works on port forwarded QXOP systems
- Fix: Evaluation of schedule on/off for far eastern time zones
- Fix: Config page pagination showed a "," on numbers less than 1,000
- Fix: (Video Player) Fix WebRTC connection type shown in HUD in Firefox
- Fix: (Video Player) Unhiding web page restarts hidden streams in full screen mode
- Fix: (Video Player) Client exports encoded with "faststart" for better playback
- Fix: (Video Player) Digital PTZ did not work in iOS mode in Firefox
- Fix: (Video Player) User interaction could cause some parts of an event to not playback

2022-07-23

Backend (version: 2405)

- Enhancement: Improve gateway and cloud monitoring tools for Prod Ops

Web App (version 1.11.3)

- Enhancement: Camera info page shows camera's created date
- Enhancement: Client-side saving of video can exceed 120 sec
- Fix: Client-side saving does not re-download video
- Fix: Client is more efficient when downloading searched video
- Fix: Client could have erratic scrub behavior on long searched video clips
- Fix: Occasional reconnect of live video after navigating away from live
- Fix: OSD could show date of 1970 at stream start
- Fix: Show camera name instead of device name in Search OSD
- Fix: Improve accuracy of approximate clip size shown on search
- Fix: Custom start dates are saved on saved searches
- Fix: Place dialog closes upon clicking "Clear Scope"
- Fix: Pagination counts are comma-delimited on numbers greater than 1,000
- Fix: Some icons were missing when configuring Rules
- Fix: Live door actions could cause live borders to momentarily disappear
- Fix: Reconnect action disabled on disabled cameras
- Fix: Remove CloudUsageStats widget
- Fix: Don't add devices with unknown kind from Device Discovery

2022-06-11

Backend (version: 2405)

- Enhancement: Update gateway and cloud Kubernetes versions

Web App (version 1.10.5)

- Feature: Unified door+camera widget for doors with an associated camera
- Feature: Live video widgets indicate recording state via colored border
- Feature: Places create and edit moved to new UI paradigm vs FAB
- Enhancement: Simplify main menu navigation
- Enhancement: Update icons throughout app
- Enhancement: Gateway system tab shows Agent time and boot in gateway timezone
- Enhancement: Added go-to-search to Door Action Menu
- Enhancement: Place in lockdown is indicated by red outline in Places tree
- Enhancement: Persist Search settings on browser refresh
- Enhancement: Search defaults to "now" unless user has set a custom date/time
- Fix: Exported clip expiration time shown in local time
- Fix: Go-to-search for Camera Action Menus
- Fix: Filtering Health Events could prematurely truncate search results
- Fix: Close video player and reset filters when user changes scope
- Fix: More informative avatar in search on door event with unknown credential

- Fix: Aligned search page icon and font sizing and styles with Client standards
- Fix: Some event Type and Status descriptions human readable across Search
- Fix: Digital PTZ settings not restoring properly on View
- Fix: Out of scope cameras message after a scope change could overflow panel
- Fix: Default thumbnails on some relational tables were not shown
- Fix: Clips menu item was showing to users without search privilege

Known Issues
- Issue: Place lockdown rule does not trigger on QXOP system. Workaround is to create a rule on a specific door within the Place that will be locked down, e.g. Door=Door1 AND Type=DoorMode AND Status=LockedDown. This rule will trigger when the Place is locked down.

2022-05-14

Backend (version: 2405)
- Feature: Rules engine service supporting notification actions
- Feature: Added gateway services for premise custom email server
- Enhancement: Standardized event handling to support rules engine
- Enhancement: Added new timezone choices
- Enhancement: Database refactor for better stability during migrations
- Enhancement: Client can obtain full Place name hierarchy
- Enhancement: Improved logging during clip creation
- Fix: Could fail to find video on gateway without dedicated video drive
- Fix: Use cloud video to generate saved clips when possible
- Fix: Snapshots failed to load for port-forwarded on-premises gateways
- Fix: Slow response on some access control reports
- Fix: Media profiles could fail to be updated after connection
- Fix: Allow client to read event status types
- Fix: Performance enhancements for cloud queues
- Fix: Disconnected camera could continue triggering events
- Fix: Ongoing events have event time offset after agent restart
- Fix: Hasura post-update rules checking
- Fix: Cameras on a gateway without a timezone set will continuous record

Web App (version id: 7f7a2ae7)
- Feature: Rules engine UI
- Feature: Place lockdown button and search filter
- Enhancement: OSD color is configurable and settings persist in live/search
- Enhancement: Enable download of saved clip to iOS devices
- Enhancement: Open search filter with user input focus
- Enhancement: Add door controller IP address to doors list view
- Enhancement: List views persist sort state
- Enhancement: Live widget cameras, doors, other are collapsible
- Enhancement: Country code and phone number validation on Person
- Fix: go to webpage failed on mobile Safari

- Fix: autoplay stopped on an event with no video
- Fix: digital PTZ does not scroll client on camera info page
- Fix: OSD alignment and truncation
- Fix: OSD timestamps in live are more accurate
- Fix: OSD settings are only available from camera info page
- Fix: Date select on search was clipped on mobile and search tag formatting
- Fix: Long View names could cause Views panel horizontal scrolling
- Fix: Fisheye cameras could appear stuck after panning/tilting too far
- Fix: Add default tilt on ceiling mount fisheye so initial image shows less black horizon
- Fix: Saved Clip download is not enabled until Clip status is "finished"

Known Issues
- Issue: Place lockdown rule does not trigger on QXOP system. Workaround is to create a rule on a specific door within the Place that will be locked down, e.g. Door=Door1 AND Type=DoorMode AND Status=LockedDown. This rule will trigger when the Place is locked down.

2022-03-17

Web App Only (version id: 394d9077)
- Feature: Device Discovery UI on Gateways page
- Enhancement: Filtering on Search page is more intuitive
- Fix: Rotation on iOS properly resizes between portrait and landscape modes
- Fix: Return from full screen on one video window caused brief video corruption
- Fix: Scrubbing on Safari and iOS is more responsive
- Fix: Player controls were offset in desktop full screen mode
- Fix: Disabled media profile could be chosen when entering full screen mode
- Fix: Invalid place timezone not reflected in nor updated by UI
- Fix: Some door status states showed no icon

2022-03-05

Backend (version: 2169)
- Feature: Device discovery service for upcoming UI feature
- Feature: Queue architecture for events and video upload is more scalable and reliable
- Feature: Event-based recording with scheduled continuous
- Enhancement: Repeated events within pre/post interval are joined
- Enhancement: Report version info for all running backend microservices
- Enhancement: Endpoint to test device credentials
- Enhancement: Store "created at" time for devices
- Enhancement: Snapshots are stored in files not database to improve performance
- Enhancement: Temporary storage buffer for video scales with gateway RAM
- Fix: Door status reported incorrectly if held open during lock down
- Fix: Incorrect timezone for America/Tijuana

- Fix: Gateway pulls device list from the cloud
- Fix: Video works for user with root place below gateway
- Fix: Search by place finds resource at child places
- Fix: Search duration match pre/post event times
- Fix: Errors with unique PINs with credentials
- Fix: Axis controller may hang when adding a person
- Fix: Oldest media on gateway is reported even if local drives aren't full
- Fix: Can search video on different gateway than door
- Fix: Search tag descriptions are more readable
- Fix: Improve handling of analytics (e.g. vehicle) tags from Hanwha cameras
- Fix: Do not default enabling two streams with same resolution
- Fix: Saved Clips larger than 2GB reported incorrect status
- Fix: Force gateway IP address into device NTP setting

Web App (version id: 2e021b8f)
- Feature: Clip playback video player supports dptz, including fisheye
- Enhancement: Support video on iPhone 6/Safari 12
- Enhancement: Force Safari into iOS mode to improve video performance
- Enhancement: Allow user to extend clip exports beyond event duration
- Fix: Player controls do not launch during dptz gestures
- Fix: Search label timestamp source matches video timestamp source
- Fix: Remove inefficient events per hour widget
- Fix: Dewarping respects wall-mount cameras
- Fix: Clicking on searched video timeline jumps to position
- Fix: Issues returning from full window video on camera info page

2022-01-29

Web App (version id: b0173f47)
- Feature: Camera cycle button in Live mode
- Enhancement: DigPTZ is automatically enabled when going to full screen
- Enhancement: Improve event search cards layout for mobile
- Enhancement: Improve layout of search toolbar especially for mobile
- Enhancement: OSD shows am/pm and ms in search
- Enhancement: +/- keys control zoom, L/R arrow keys single step search
- Enhancement: Improved video performance on iOS devices
- Enhancement: Finer grained control of zoom on mobile devices
- Fix: Search list scroll anchor position could be wrong
- Fix: Remove non-performant data widgets
- Fix: Full screen has consistent behavior from button or double click
- Fix: Videos hidden by full screen no longer consume CPU or bandwidth
- Fix: Dewarp with proper lens parameters in search
- Fix: Duplicate email entry fields on clip sharing
- Fix: All tags parsed by backend are available in UI

- Fix: WebGL errors that stop digPTZ are displayed in UI
- Fix: Landscape breakpoints correct for smaller devices
- Fix: Scrub control for searched video on mobile devices
- Fix: Force STUN/TURN webrtc mode selection from Settings page
- Fix: Highlighting of selected list row on Safari was malformatted
- Fix: View create button icon was missing in live mode on mobile
- Fix: Remove "share" from saved-clips card kebob menu to avoid orphaned dialog
- Chore: Added Google analytics to get anonymous page view counts

2021-12-09

Web App Only (version id: 55b2de9e)
- Fix: Double-click in live expanded incorrect video
- Fix: Some legacy views were interpreted as having dptz enabled

2021-12-07

Backend (version: 1503, build id: 52a8fbcb)
- Enhancement: Add mobile-friendly 1x3, 1x4 layouts

Web App (version id: fe48b26a)
- Enhancement: Improve performance of scrolling through search results
- Enhancement: Support additional models of Axis fisheye cameras
- Enhancement: Improved performance of playback on iOS
- Enhancement: Digital PTZ uses full client video panel aspect ratio
- Enhancement: Tooltip now says "Digital PTZ" to avoid confusion
- Enhancement: Limit min/max OSD fontsize
- Enhancement: Improve accessibility of icon on search cards
- Fix: Digital PTZ was pixelated on mobile
- Fix: Force iOS mode playback did not work in Chrome
- Fix: Intermittent issues updating media profiles
- Fix: Doors lists sort by name and hide disabled doors
- Fix: Workaround Chrome v96.0 webrtc issue

2021-11-11

Web App Only (version id: 65fd23ee)
- Fix: Video connections that could be peer-to-peer were being relayed
- Fix: Add Aperio door button was broken

2021-11-05

Backend (version: 1503, build id: 52a8fbcb)
- Feature: Access Control Reports
- Feature: Automatically update door controllers when permissions change

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- Enhancement: Improved performance of updating door controllers on user changes
- Enhancement: On search, send status: streaming before segment search so client knows connection was successful.
- Enhancement: Support Aperio door monitor
- Enhancement: Emit status for cameras that do not support or fail Onvif PullPoint events, including rtsp sources
- Enhancement: Ensure Live and Search no People role exists
- Enhancement: Set camera NTP server to gateway upon camera reconnect
- Fix: Handle vmd from multi-channel encoders
- Fix: Correctly report door status in override mode
- Fix: Don't try to connect to disabled sources on multichannel devices
- Fix: Updating a device's settings could fail
- Fix: Camera min/max GOP size could be incorrect
- Fix: Optimize people sorting
- Fix: Improve time to return video segments for search query
- Fix: Never check for resource license on qxc gateways
- Fix: Disconnect unused media profiles
- Fix: Prevent misconfiguring camera NTP with bad NIC state
- Fix: Access denied events include reason
- Fix: Prevent invalid segments from being recorded

Web App (version id: ca653b21)
- Feature: Support camera media profile (i.e. stream) editing
- Enhancement: Added frame rate metrics option to OSD
- Enhancement: Improve table row styling, stronger contrast
- Enhancement: Dewarp fisheye cameras with square aspect ratio
- Enhancement: Identify cameras that are streaming but not emitting events with warning icon
- Enhancement: Improve "Save View" UI styling
- Fix: Improve performance of digital ptz rendering
- Fix: Reduce database impact of saving current view settings
- Fix: Error occurred when visiting some Person pages due to a bad disable check on the "Disable Person" action found under the Actions Menu dropdown.
- Fix: Some areas of the app with multi select capabilities were returning zero options
- Fix: When creating a Person you were unable to create Credentials at the same time
- Fix: Live events widget was not receiving updates
- Fix: Force widgets to reset when scope changes
- Fix: Avatar from user signed in with email missing on mobile

2021-09-26
Web App Only (version id: 46e35527)

- Feature: Fisheye Dewarping. Enabled via lens type selection and mediaProfile warp setting on camera edit page.
- Feature: User can now see a timestamp indicating the oldest recorded video on a Gateway
- Feature: List Views now have clickable rows.
- Enhancement: digital PTZ/ dewarp state persisted in views and live page when navigating app
- Enhancement: New Camera Icon informing the User of a Camera that is in a "No Events" state.
- Enhancement: Show a Person's title on Person Card and Person Info Panel
- Enhancement: Video Player OSD Icon now says OSD instead CC
- Enhancement: "Upload to Cloud" changed to "Export Clip"
- Enhancement: Improvements made to auth flow handling, keeping the User logged in incase of API service interruption but directing them to a Not Authorized or Not Connected page.
- Enhancement: Pagination's Items Per Page select will no longer show an empty option
- Fix: Some auth notifications went missing, like the verify email message, when the User was redirected to the login page
- Fix: User's without the Config Privilege will no longer see the Create View button or View Actions dropdown in Live
- Fix: Video Player OSD shows proper Camera Name instead of underlying Device Name which may be out of sync; will continue to use a Device Name if a Camera Name is not available (or blank)
- Fix: table column header text should no longer break onto multiple lines
- Fix: Search page tags will persist when switching between pages
- Fix: Pagination info would sometimes show 0 pages when there was at least 1 page.
- Fix: Label centering tweaked when displaying Clip Storage legend on smaller device screens.

2021-08-31

Web App Only (version id: 97c591b1)
- Fix – On first login, user did not see email verification message

2021-08-27

Backend (version: 1344, build id: 2707e317)
- Feature – Export and share clips
- Enhancement – Backend can connect to rtsp sources
- Enhancement – IP devices are set to connect to gateway NTP server
- Enhancement – Support site code 0
- Enhancement – Qxminion logs which device is reconnecting
- Enhancement – upgrade version on rtc library
- Enhancement – Stream from cameras which do not support Onvif pullpoint
- Enhancement – Gateway reports systeminformation

- Enhancement – report oldest video on gateway drive
- Enhancement – additional camera analytics are tagged
- Enhancement – backend stores camera display settings
- Fix – improve proxy ability to transfer large messages, e.g. firmware
- Fix – Improved reconnection to streams on qxminion restart
- Fix – Prevent qxminion tight loop when camera fails pullpoint request
- Fix – qxmedia memory leak
- Fix – improve download performance on long video searches
- Fix – record to cloud the same stream as record to local drive
- Fix – issues with setting default View for a Place
- Fix – door could be created with empty device config
- Fix – add access denied reason
- Fix – gateway id correct when video source is at a different place
- Fix – read-only drives created too many log file entries
- Fix – could fail to respect disabled flag on camera
- Fix – can set device media profiles

Web App (build id: 2e752d7a)
- Feature – Export and share clips
- Feature – Upload image for gateway thumbnail
- Enhancement – improve door contact verbiage
- Fix – Correct icons for camera events on camera page
- Fix – Ability to assign user roles
- Fix – improve route authorization handling
- Fix – improve camera reconnect verbiage

Known Issues
- ch20200 - Safari desktop is incompatible with streaming library. Use Chrome or Firefox on desktop. On iPad, switch to iOS player mode.

2021-07-27

Web App Only (version id: 54b576f2)
- Feature – New Live widgets sidebar supports drag & drop on mobile, filtering of available widgets, intuitive view editing, awareness of currently displayed widgets, live door status, improved scalability with large number of widgets
- Feature - UI paradigm on Cameras consistent with rest of app with additional camera information in the list view (e.g. IP address)
- Enhancement – Allow longer client-side exports
- Enhancement – Easier cut & paste of credentials
- Enhancement – Allow Wiegand0 for supported gateways
- Enhancement – Full screen on double click and icon work and support dptz and osd
- Enhancement – Improve browser to client peer connection process
- Fix – Out of Memory error when cameras page is open for a long time

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- Fix – Live door status icons accurately reflect lock state
- Fix – Remove Sentry error reporting
- Fix – Improve performance with bad camera
- Fix – Reduce page refreshes caused by syncing changes from simultaneous users

2021-06-24

Backend (version: 1182, build id: 89b6f8c9)

- Feature – Backend video streamer supports trick modes in client and select playback from cloud or premises
- Enhancement - switch backend video streamer to new webRTC library for improved reliability
- Enhancement - set QXDC memory limits
- Enhancement – record video to all drives in the system
- Enhancement – add settings for Aperio into door templates
- Enhancement-Goto Webpage for cameras/controllers no longer tries to automatically log in to device
- Fix – handle door states when there are no door contacts
- Fix – controller needs update when place timezone changes
- Fix – replication commands added but disabled
- Fix – replication timeouts and errors
- Fix – occasional error deleting a device
- Fix – Trim stale snapshots from database

Web App (build id: bd4dfc46)

- Feature - Live supporting digital ptz and on screen display
- Feature – Search video player supports digital ptz, on screen display, single step, fast forward
- Feature – UI paradigm on Views, Gateways, Roles consistent with rest of app
- Enhancement – Live video player is more reliable and more informative with connection state indicator
- Enhancement – Search video player can start playing without downloading entire event clip
- Enhancement – can add and configure Aperio doors from Axis controllers
- Fix – coloring on Live UI selection dialog in mobile

2021-05-03

Web App Only (version id: 2e542207)

- Fix – "Now" button on search may not return results

2021-05-01

Backend (version id: faf987f3)

- Enhancement - Search features and performance

- Enhancement - Performance of People page showing credentials
- Enhancement - Auto set credential on site code 0
- Enhancement - Event count widget performance
- Fix - Allow two of the same pins at same site
- Fix - Limit name lengths in Axis A1001/A1601 controllers to 64 chars
- Fix - Don't update Axis A1001/A1601 controllers when in openTooLong state

Web App (version id: 6bc4fa42)
- Feature - Search interface improvements
- Enhancement - Improved searchability on people and doors pages

2021-03-31
Web App (version id: fb3f7d79)
- Feature - UI paradigm on People, Groups, Permissions pages matches doors for consistency and mobile & browser navigation efficiency
- Enhancement - links from credentials on door recent events list
- Enhancement - notify if search results are empty
- Enhancement - clip start time shown on search result card
- Fix - font colors on email verification dialog for new users
- Fix - search tags are sorted and scrollable
- Fix - reliably delete a camera

2021-03-14
Backend (version id: 79562e0e)
- Feature - Access control, supporting Axis A1001/A1601 controllers
- Improved ip device connection reliability (mi-mr83)

Web App (version id: fd46d9e8)
- Feature - Access control
- Enhancement - Dark color scheme
- Multiple fixes to Places, People, Groups, Permissions, Schedules, and Search to support access control

2021-01-07
Backend (version id: ec65847a)
- Fixed issue where gateways would not have a correct version / show proper connection status (ag-mr367)
- Fixed issue where device connection information was exposed (ag-mr366)

2020-12-19
Backend (version id: 30cba75e)

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- Ensure video segments are available when event db indicates video (ag-mr344)
- Improve performance of editing, deleting, and showing events for a person (ag-mr348)
- Two events at same time generating a snapshot could drop one of the events (ag-mr352)
- Added improved billing schema (ag-mr350, db-mr2)
- Improved logging and error-handling (e.g. if cloud db connection is dropped) (ag-mr337, 346, 355)
- Improve duplicate motion and window events separated by wider arrival time (ag-mr354)
- One camera's slow response to stream subscription could affect other camera connections (mi-mr56)
- Fix spurious gateway connection events when a camera was in a connecting state (mi-mr56)
- Improve connection to Arecont multi-sensor cameras (mi-mr50)
- Improve reconnection to cameras after error or power loss (mi-mr50, mi-mr54)
- Large number of client connections could prohibit additional client video streams from connecting (md-mr20)
- Ensure at least one profile can provide snapshots from a camera (mi-mr55)
- Third-party infrastructure components update for bug fixes and performance improvements

2020-12-01

Web App Only (version id: d3d2f7ab)
- Show logged in email in Settings
- Better icon and name for release notes
- Fix People badge printing
- Fix icon display error on People page with custom roles
- Fix slow loading on People edit
- Improved validation of email address on People edit

2020-11-18

Backend (hot patch mr340)
- Event search card duration did not match actual video duration

2020-11-09

General (web app version id: 339cea25)
- Avatar display name matches person card information

Places
- Selector dialog does not periodically jump to top

Backend (version id: 7b8309ec)
- Highest res streams are recorded to local disk (ch12380)

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- Rare cases cameras might not be connected after restart (mr323)
- Improve search performance (ch13336)
- Fix permissions on device config script (mr336)
- Improve duplicate motion and window events (mr335)

2020-11-02

Web App Only (version id: 49fc7d8d)

- Go to live FAB from Views page
- Fix login for users with role that does not include status privilege
- Live is default page for users with role that does not include people privilege
- New users default to 1x1 layout and default views enabled
- All clickable buttons have common blue color
- Places tree does not jump back to top
- Improved handling of live video disruptions
- Fix rare cases where search results were not in time order

2020-10-16

Live (web app version id: d2e6f05d)

- Drag resources between video panels
- If h.265 profile was configured in a camera, do not show it in resource list

Gateways

- Remove unnecessary field from licensing dialog

Backend (version id: 75939f7e)

- Any logged in user can make systemInformation query
- Improve logging of message queue and snapshot events
- Keep from enabling unsupported media profiles
- Ensure wireguard address is correct at startup
- Improve efficiency of media delete messages
- Graceful shutdown of message queue on upgrades

2020-10-06

General (web app version id: fc5a72b8)

- Improve responsiveness of connection status icon and changed icon upon direct connection to local gateway

Cameras

- Fix show password button

Backend (version id: 98051bac)

- Fix search responsiveness issue introduced 2020-10-02

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2020-10-02

General (web app version id: cb7583f7)
- What's New link included in web app update notice

Live
- Do not show indicator of total number of resources when dragging in new resource

Search
- Fix issue where first video segment of an event may not be shown
- Fix inconsistent clip duration shown in player
- Fix when device and gateway connection events show unknown in name

People
- Validate email address format

Groups
- Fix issue with adding picture to Group or Permission

Cameras
- Warn if adding a device at a duplicate IP address
- Support several new analytic events from Hanwha A90x cameras
- Improve connection to camera when NAT required
- Fixed issue with too many concurrent camera connections
- Fixed issue where cameras could fail to stream video after gateway restart

Backend (version id: f96372eb)

- Update cloud usage stats daily

2020-09-29

Web App Only (version id: c09618b2)
- Improved selection of appropriate video resolution to display

2020-09-18

Web App Only (version id: 85351cbc)
- Fix ability to delete a camera
- Improved message shown on incompatible browsers, e.g. IE

2020-09-16

Web App Only (version id: 4674854e)
- Fix ability to save a view in Live mode
- Multiple browser sessions can have different live views

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- Live FAB text changed to "Load selected resources" for consistency

2020-09-08

Web App Only (version id: ef96ba4a)
- Fix Cameras page "Go to webpage" FAB
- Fix search on config pages
- Fix failure to create login role when adding a person
- Fix error deleting a person

2020-09-03

General

- List vs column view on config pages persists on a per page basis
- Fix connection port so web app can connect to port forwarded on-premises appliances
- Improved web app startup performance
- Allow use of google login from domains outside of qumulex.com
- Fix web app hang after exiting settings dialog

Places

- Fixed sorting of places at each hierarchy level
- Fixed issue where tree periodically reset to top

Live

- Remove save snapshot FAB
- Fix issue on reconnecting video when switching back to live for on-premises appliance
- Fix issue on iOS when app goes to background
- Consistent naming of system stats widget

People

- Uses appropriately scaled images to improve responsiveness

Groups

- Drag and drop of members

Gateways

- Show link to connect to web-based appliance management UI and "go to webpage" FAB

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Cameras

- Add reconnect button to allow manual reconnect to refresh camera parameters

Doors

- To eliminate confusion, now shows "coming soon"

Backend (version id: bff99a1c)

- Correct stream is delivered for multisensor cameras
- Fix issue with duplicate camera connection that could cause local drives to fill
- Improved cloud event message reliability and capacity
- Fixed email case sensitivity on login issue
- Correct stream is chosen from camera after reconnection or reboot

Known Issues

- Can not type in search bar on multiple config pages
- Go To Webpage FAB on cameras opens empty URL
- Creating people with roles is failing

2020-08-19

Web App Only

- Fixed Live camera selection in mobile with Load Selected Widgets FAB
- Fixed error in live camera connection process that could cause stall at blue spinners
- Fixed error when saving permissions
- Client hangs when trying to edit, particularly on cameras
- Fixed search for places in dialogs
- Fixed losing group members when updating group image

2020-08-15

General Web App

- Sorting works on all list columns and card elements

Live

- Multi-sensor cameras are supported
- Improvements to live connection and reconnection on errors
- Improved playback performance
- Improved performance of Live Events widget which previously slowed video playback

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- Improved live video latency

Search

- Fix issues with search tags returning unintended results
- Fix search refresh button functionality
- All event types are searched
- Improved event snapshot algorithm
- Improved method for playing back cloud vs local clips

Cameras

- Saving camera changes failed if camera or gateway were offline
- Camera status icons are consistent and accurate throughout the app

Views

- Default view checkbox works

Backend

- Improved device reconnection on gateway restarts, including if cloud is unavailable
- Fix connection issues with FLIR cameras
- Improved stability of local recording cache
- More reliable event notification to the cloud

Known Issues

- Email is case sensitive for login authorization. Always use lower case in email when creating a user and when logging in

2020-08-04

Web App Only

- Fix Cameras page FAB
- Auto select gateway on camera add if only one is available
- Add cloud storage widget to live
- Fix Places chooser in permissions causing validation message
- Changing who/how a Place type can be chosen
- Add cloud storage options to camera card and list view

2020-07-30

Login and General

- Client differentiates between unauthorized and unable to connect to cloud
- Required fields are validated on all edit dialogs
- Improved appearance of warning messages from backend

Live

- Default views must be set in Views config
- Fix erratic checkmark in resource selection cards
- Improve player performance on iOS

Search

- All searchable tags are now shown
- More efficient search queries used
- Player can play clips from cloud
- Clips can be saved as MP4 files

Places

- Clear scope in dialogs respects user's set scope. From app bar it goes to user's root scope.

Groups

- Group with no members may be created

Permissions

- Improve UI on schedule selection

Roles

- View and Search privileges now enforced in client
- Manage Configuration role has been removed

Gateways

- License for on premise gateways can be entered via FAB
- Resource counts are shown in gateway list view

Cameras

- Fixed camera status in list view
- Disabled cameras no longer produce events
- FAB actions work to go to live and search on selected camera
- Cloud storage duration can be set from 0-365 days (QXC0-QXC365)

Backend

- Cloud recording now working, using profile closest to 1080P
- Cloud to premises replication via manual initiation

2020-06-24

Login

- User must now accept Terms of Service on first login

User Settings

- All user configuration options and build information has been moved under the user avatar. "?" button in toolbar has been removed.

Live

- Added mitigation for connection issues that resulted in spinners

Search

- Improved icons
- Fixed Z-order issues - date selector overtop of the save dialog
- Event list is more complete with events like connection status available
- Status tag is now usable, for example you can now filter connection status by disconnected
- Bug fixes in time sync that resulted in spinners for video playback
- Added video exists indicator to show when there is video for the clip
- Fixes for autoplay on safari/IOS
- Fix for "Play in new tab" FAB function

Places

- Converting a single gateway customer to multi-site - Create new customer, edit old customer, change to site and put under new customer, save

● Confirmation on moving any place from one customer to another

Gateways

● Removed Add and Delete from FAB. Gateways will be added by Qumulex operations upon order fulfillment, not by Integrators.
● Added gateway version in list view
● Fix sort by connection status

Roles

● Show/hide of available menu items and FAB actions based upon user's role
● Remove manage configuration role

Cameras

● Improved connection with Vivotek cameras
● Fix connection failure for cameras without username/password
● Improve event parsing for Axis encoders
● Time sync of video/event from cameras to gateway time

2020-06-11

Live

● There are now several Chart widgets in resources, doors show up like cameras
● Improved resource selection tray the headers have icons and do not scroll out of site
● Setting a default view for a place has been implemented, along with a user option to enable or disable the use of default views. When enabled, changing scope will cause the default view for that place to be displayed.

Search

● A Refresh button has been added. While searching the results are static, new events that may have happened do not display automatically as this may disrupt the search process. Clicking refresh will re-run the search and include any qualifying new events.
● Video playback length should now match the duration of the event, i.e. from Motion = true to Motion = False events

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- Playback should match the event with some pre-alarm video before the event time.

Places

- Removed drag and drop functionality due to concerns about inadvertent changes.
- implemented prune and graft operations in the edit dialog, by allowing users to change the parent place - where the place being edited belongs to.
- Implemented a confirmation dialog if the prune & graft operation crosses customers

People

- Card now has more granular indication of credential status
- Disable will disable all credentials and the user's login
- Cards now have badges indicating the person's role if they have one

Cameras

- Adding a camera should now always result in a camera card
- You must now pick the gateway you want the camera to record on
- Place is for associating devices (i.e. doors and cameras)

Doors

- not yet functional

Views

- Updated the edit dialog to support editing the name, place and default flag