

## Avigilon Control Center™ 6 Release Notes

Version 6.4.2.10 – Released August 10<sup>th</sup>, 2017

### Release Summary

This is a service release of Avigilon Control Center™ 6.4. It adds support for Axis A8004-VE and A8105-E Door Station devices as well as corrects an issue with Central Station Notifications.

**ACC 6 is a paid major version upgrade for ACC 5 customers and requires upgrade license keys in order to use the software** – customers with ACC 5 systems should contact their integrator partner or Avigilon sales representative for more information including upgrade pricing. Customers with ACC 5 systems that are not yet ready to upgrade to ACC 6 can continue to install ACC 5.10 service releases made available on the Avigilon website in order to pick up fixes for software defects.

Integration users may need to upgrade their integration software to a version supported by ACC 6. Please consult the website to determine which versions of your integrations are supported and available for ACC 6.

**Note** – ACC-ACM integrations must be updated to “*AvigilonAcmlIntegration-5.8.4.12\_SR1*” or newer for use with ACC 6.

### New Features

- Axis A8004-VE and A8105-E Door Station devices can now be used with ACC. This includes the ability to view and record video, setup motion events, use two-way audio, and use the digital inputs/outputs.

### Issues Fixed

- Fixed an issue where Central Station Notifications, which are sent using SMTP, did not have both CR (carriage return) and LF (line feed) characters in the message header as required.

### Known issues in this release (unchanged from the previous release)

- Due to a regression introduced in ACC 6.0.0.24, the thumbnail results for a Thumbnail Search won't load until all results are available rather than loading sequentially as they did previously. This is most noticeable for Clients connected over a remote connection.

## Avigilon Control Center™ 6 Release Notes

Version 6.4.2.10 (continued)

### Avigilon™ Camera FW Included

- V3.16.0.186 for H4 Mini Dome cameras
- V3.16.0.186 for H4 SL Bullet and Dome cameras
- V3.16.0.168 for H4 Pro H.264 cameras
- V3.16.0.178 for H.264 H3 cameras with self-learning analytics
- V3.16.0.172 for H4 Fisheye cameras
- V3.2.0.44 for H3 Multisensor cameras
- V3.16.0.170 for H4 PTZ cameras
- V3.16.2.178 for H4 Box Bullet Dome cameras with self-learning analytics
- V2.6.0.160 for H3 Micro Dome cameras
- V2.6.0.158 for H3 PTZ cameras
- V2.6.0.160 for H3 Bullet cameras
- V2.6.0.160 for H3 Box Dome cameras
- V2.2.0.52 for H.264 encoders
- V.2.2.0.58 for HD H.264 cameras
- V4.6.0.14 for JPEG2000 HD Pro cameras
- V4.4.0.2 for JPEG2000 Panoramic cameras

## Avigilon Control Center™ 6 Release Notes

Version 6.4.0.18 – Released July 20<sup>th</sup>, 2017

### Release Summary

This is a service release of Avigilon Control Center™ 6.4 that corrects an issue with the installers. Users that downloaded the previous release, ACC 6.4.0.16, and attempted to install it on a computer that didn't already have Microsoft .NET 4.6.2 installed will have been unsuccessful. The installers provided with this new release address this issue. We recommend that all users upgrade to ACC 6.4 in order to address critical vulnerability CVE-2017-9765, a SOAP web services interface defect, which was corrected in ACC 6.4.0.16. Please see the previous release notes, below, for additional details.

**ACC 6 is a paid major version upgrade for ACC 5 customers and requires upgrade license keys in order to use the software** – customers with ACC 5 systems should contact their integrator partner or Avigilon sales representative for more information including upgrade pricing. Customers with ACC 5 systems that are not yet ready to upgrade to ACC 6 can continue to install ACC 5.10 service releases made available on the Avigilon website in order to pick up fixes for software defects.

Integration users may need to upgrade their integration software to a version supported by ACC 6. Please consult the website to determine which versions of your integrations are supported and available for ACC 6.

<p><b>Note</b> – ACC-ACM integrations must be updated to “<i>AvigilonAcmlIntegration-5.8.4.12_SR1</i>” or newer for use with ACC 6.</p>
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### Issues Fixed

- Corrected an issue where the necessary Microsoft .NET Framework version was not included with the ACC 6.4.0.16 installers. This prevented ACC from being installed successfully on computers that didn't already have .NET 4.6.2 installed.

### Known issues in this release (unchanged from the previous release)

- Due to a regression introduced in ACC 6.0.0.24, the thumbnail results for a Thumbnail Search won't load until all results are available rather than loading sequentially as they did previously. This is most noticeable for Clients connected over a remote connection.

## Avigilon Control Center™ 6 Release Notes

Version 6.4.0.18 (continued)

### Avigilon™ Camera FW Included

- V3.16.0.176 for H4 Mini Dome cameras
- V3.16.0.174 for H4 SL Bullet and Dome cameras
- V3.16.0.168 for H4 Pro H.264 cameras
- V3.16.0.178 for H.264 H3 cameras with self-learning analytics
- V3.16.0.172 for H4 Fisheye cameras
- V3.2.0.44 for H3 Multisensor cameras
- V3.16.0.170 for H4 PTZ cameras
- V3.16.2.178 for H4 Box Bullet Dome cameras with self-learning analytics
- V2.6.0.160 for H3 Micro Dome cameras
- V2.6.0.158 for H3 PTZ cameras
- V2.6.0.160 for H3 Bullet cameras
- V2.6.0.160 for H3 Box Dome cameras
- V2.2.0.52 for H.264 encoders
- V.2.2.0.58 for HD H.264 cameras
- V4.6.0.14 for JPEG2000 HD Pro cameras
- V4.4.0.2 for JPEG2000 Panoramic cameras

## Avigilon Control Center™ 6 Release Notes

Version 6.4.0.16 – Released July 12<sup>th</sup>, 2017

### Release Summary

This is the first release of Avigilon Control Center™ 6.4. This release introduces new ACC capabilities described below including flexible dual HSDM streaming for Avigilon cameras and dual streaming from ONVIF cameras. This release addresses critical vulnerability CVE-2017-9765, a SOAP web services interface defect. While the risk for Avigilon products installed behind a firewall or isolated network is limited we strongly recommend all users to update to this release.

**ACC 6 is a paid major version upgrade for ACC 5 customers and requires upgrade license keys in order to use the software** – customers with ACC 5 systems should contact their integrator partner or Avigilon sales representative for more information including upgrade pricing. Customers with ACC 5 systems that are not yet ready to upgrade to ACC 6 can continue to install ACC 5.10 service releases made available on the Avigilon website in order to pick up fixes for software defects. (Specifically, CVE-2017-9765 is addressed by ACC 5.10.14.2.)

Integration users may need to upgrade their integration software to a version supported by ACC 6. Please consult the website to determine which versions of your integrations are supported and available for ACC 6.

<p><b>Note</b> – ACC-ACM integrations must be updated to “<i>AvigilonAcmlIntegration-5.8.4.12_SR1</i>” or newer for use with ACC 6.</p>
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### New Features

- ACC can now be configured to connect to Avigilon Access Control Manager (ACM) and receive native ACM door events. ACM doors can be logically linked to any camera on ACC and enable ACC rules to start live streaming of video, send notifications, or take other ACC rule actions. All ACM door events are auditable in the ACC site logs. Minimally requires ACM Release 5.10.2 and ACC Standard or Enterprise edition to manage rules for door events. This new functionality can be used standalone or in parallel with the existing ACC-ACM integration for Vid-Proxy and access control platform events.
- ACC introduces support for flexible dual HSDM streaming which permits independently configuring primary and secondary streams while preserving HSDM bandwidth optimization for live streaming and recorded video playback. Both primary and secondary streams are still recorded and ACC manages the aging of the primary video from storage. This new ‘HSDM flexible’ recording profile is available when configuring video streams for Avigilon H4 1MP, 2MP and 3MP cameras.

## Avigilon Control Center™ 6 Release Notes

Version 6.4.0.16 (continued)

### New Features (cont.)

- ACC now supports dual streaming from ONVIF compliant cameras that advertise multiple video streams. Live video will automatically switch between a primary and a secondary stream to minimize bandwidth consumed by the client. ACC provides full configuration control of two video streams and offers selection of recording either the primary or the secondary stream.
- Seamless video failover is now available to cameras who are configured with failover connections to secondary or tertiary servers. When the primary ACC server becomes unavailable, ACC will begin live streaming from the backup server into the original view panel after a few seconds. Once the original server becomes available, the stream will automatically switch the live stream back to the original server. During recorded playback, ACC will render video segments recorded on backup servers if no video is available from the primary server. ACC continues to present multiple timelines based on the location of the recorded events and video but users are able to review and scrub video continuously from any of the related timelines. ACC search features require that users specify all locations where recorded video might reside. Seamless failover is supported on both the ACC client and ACC Virtual Matrix.
- Introduce support for new Avigilon Mini-dome camera with backward compatibility with earlier ACC 5.x and ACC 6.x releases
- Introduce support for an event trigger delay to supplement existing sensitivity control for camera tamper events. This configuration option is now available on H4SL and H4 Fisheye cameras and will be made available on other H4 cameras in future firmware updates. Additionally, ACC event searches can now filter specifically for tamper events.
- ACC can now configure digital outputs to operate in mono-stable/pulse mode or bi-stable/hold modes. New ACC rule actions permit creation of a follow function on outputs that are configured for bi-stable/hold mode. Rules can explicitly activate or deactivate outputs in response to an event. When an output is configured for pulse mode, the activate digital output rule action will trigger a pulse on the output and the deactivate digital output rule action is ignored.
- Camera field-of-view thumbnail previews appear when hovering over a camera name in the Site view device tree and over the camera icons on ACC maps.
- Device icons on maps are now configurable. Maps support five icon types, six unique colors for the icon, shape or field of view cone, and three sizes for the icon and label text
- Operators can cycle through live camera views using a two new keyboard shortcuts and Avigilon joystick functions that support camera next and camera previous functions

## Avigilon Control Center™ 6 Release Notes

Version 6.4.0.16 (continued)

### New Features (cont.)

- ACC video archiving feature now can resume and retry a failed archive task rather than restarting from the beginning. The archive dialog provides administrators with archive progress status, retry count, last successful archive and next planned archive.
- Administrators can review failed login attempts by users in the ACC site logs
- Administrators can now use MSI installers to support automated installation of ACC clients and ACC servers

### Issues Fixed

- Fixes critical vulnerability CVE-2017-9765. While the risk for Avigilon products installed behind a firewall or isolated network is limited we highly recommend all users to update to this release.
- Addressed a problem connecting some models of Mobotix cameras which prevented motion information from being available.
- Corrected an ACC Player issue affecting the playback of archived video from Avigilon H4 cameras. The issue was observed when the archive was created from video where the primary stream had already aged out.
- Addresses an issue introduced in ACC 6.0.0.24 that occurred when stepping in during a Thumbnail Search, the included time range is smaller than it should be. It was possible that the time range for the stepped in section of video won't include the change in the background scene the user is trying to find.
- Corrected an issue that prevented an H4 ES camera from properly over-writing the oldest archive.
- Corrected the handling of secondary streams for some Oncam cameras.
- Addressed an issue where a secondary camera stream resolution would retain all manual settings changes when the profile was changed back from Manual to Automatic.
- Corrected a problem with properly restoring default groups from settings backup.
- Addressed minor issues with display of licenses during upgrades from ACC 5 to ACC 6
- Addressed an issue where child sites were not aware of servers added to a parent site and therefore could not function properly if the original server in the parent site was removed.
- Addressed an issue where users are not warned about losing their product key information when un-installing ACC Server.
- Prevented users from making site composition changes before licenses are activated after an ACC 5 to ACC 6 software upgrade which often caused licensing problems.

## Avigilon Control Center™ 6 Release Notes

Version 6.4.0.16 (continued)

### Issues Fixed (cont.)

- Addressed issues with updating logical IDs on saved views.
- Corrected a situation where groups and users that had the same name could cause problems with modifying alarm notification lists.
- Addressed an issue where multiple H4 ES cameras in a site could cause spurious license problem notifications.
- Corrected a situation that could cause some of the cameras in an export not being listed properly on the audit log entry.
- Corrected an issue that could cause VMA to crash on shutdown.
- Corrected the behaviour of the alarm search panel when logged into multiple sites.
- Corrected an issue that could cause ACC client to crash when accessing the Image and Display settings panel when not logged into a server.
- Resolved an issue that prevented license deactivation on sites when ES Analytics Appliances were the last servers in a site after removing other Windows-based servers.
- Addressed an issue that could cause duplicate licensing error warnings on ES Analytics Appliance sites.
- Addressed a problem that mistakenly allowed a Windows ACC Server to be removed from a parent site leaving only an ES Recorder in the site in an unsupported configuration.
- Corrected an issue that could cause teach markers to disappear when using teach by example.
- Addressed several dewarping issues for cameras using ImmerVision 360° panomorph lens.
- Prevented servers from becoming unresponsive or crashing when infinite rules are accidentally created.
- Resolved an issue that prevented removal of disconnected cameras from ACC rule definitions
- Addressed a scenario that did not permit the modification or removal of the logical Id for a disconnected camera. If the camera is manually disconnected using the ACC client connect/disconnect dialog, the camera's logical Id will now be cleared. This permits the logical Id to be assigned to a replacement camera.
- Corrected a problem that could prevent a user from viewing alarms created during their first login session.
- Addressed a problem that could cause only high-resolution primary streams to be sent from an ES Recorder to ACC client regardless of zoom level for high resolution cameras.



## Avigilon Control Center™ 6 Release Notes

Version 6.4.0.16 (continued)

### Issues Fixed (cont.)

- Corrected a problem that could prevent video clips being sent for all servers in a site for remote central monitoring notification messages.
- Addressed a problem that could cause poor performance with Pro series cameras when using HDSM SmartCodec.
- Corrected a problem that could cause the View Application Logs icon to be missing in ACC Server console.
- Corrected a problem that causes ACC Client or ACC Player to crash when exporting H4F de-warped footage.
- Corrected an issue where the HTML5 Web Client and ACC Mobile 2 app are unable to connect to the ACC Gateway using HTTPS. This issue affected Avigilon HDVAs that originally shipped with ACC Gateway version 5.10.8.4 and Avigilon NVRs that originally shipped with ACC Gateway version 5.10.10.4, including ones that were later upgraded to ACC 6.
- Resolved an issue where ACC would not save the last set of POS transactions if ACC timed out waiting for a Close string from the POS system
- Resolved an issue where exporting video from ACC player under certain conditions would create an export that stuttered during playback
- Resolved an issue when an SMTP server requires ACC to use STARTTLS authentication extension.

### Known issues in this release

- Due to a regression introduced in ACC 6.0.0.24, the thumbnail results for a Thumbnail Search won't load until all results are available rather than loading sequentially as they did previously. This is most noticeable for Clients connected over a remote connection.

## Avigilon Control Center™ 6 Release Notes

Version 6.4.0.16 (continued)

### Avigilon™ Camera FW Included

- V3.16.0.176 for H4 Mini Dome cameras
- V3.16.0.174 for H4 SL Bullet and Dome cameras
- V3.16.0.168 for H4 Pro H.264 cameras
- V3.16.0.178 for H.264 H3 cameras with self-learning analytics
- V3.16.0.172 for H4 Fisheye cameras
- V3.2.0.44 for H3 Multisensor cameras
- V3.16.0.170 for H4 PTZ cameras
- V3.16.0.182 for H4 Box Bullet Dome cameras with self-learning analytics
- V2.6.0.160 for H3 Micro Dome cameras
- V2.6.0.158 for H3 PTZ cameras
- V2.6.0.160 for H3 Bullet cameras
- V2.6.0.160 for H3 Box Dome cameras
- V2.2.0.52 for H.264 encoders
- V.2.2.0.34 for HD H.264 cameras
- V4.6.0.14 for JPEG2000 HD Pro cameras
- V4.4.0.2 for JPEG2000 Panoramic cameras

# Avigilon Control Center™ 6 Release Notes

Version 6.2.2.6 – Released May 30<sup>th</sup>, 2017

## Release Summary

This is a service release of Avigilon Control Center™ 6.2. Users of the ACC Gateway that recently purchased Avigilon HDVAs that originally shipped with ACC 5.10.8.4 or Avigilon NVRs that originally shipped with ACC 5.10.10.4 and have upgraded them to ACC 6 should install this service release due to the corrected issue listed below.

**ACC 6 is a paid major version upgrade for ACC 5 customers and requires upgrade license keys in order to use the software** – customers with ACC 5 systems should contact their integrator partner or Avigilon sales representative for more information including upgrade pricing. Customers with ACC 5 systems that are not yet ready to upgrade to ACC 6 can continue to install ACC 5.10 service releases made available on the Avigilon website in order to pick up fixes for software defects.

Integration users may need to upgrade their integration software to a version supported by ACC 6. Please consult the website to determine which versions of your integrations are supported and available for ACC 6.

**Note** – ACC-ACM integrations must be updated to “*AvigilonAcmlIntegration-5.8.4.12\_SR1*” or newer for use with ACC 6.

## Issues Fixed

- Corrected an issue where the HTML5 Web Client and ACC Mobile 2 app are unable to connect to the ACC Gateway using HTTPS. This issue affected Avigilon HDVAs that originally shipped with ACC Gateway version 5.10.8.4 and Avigilon NVRs that originally shipped with ACC Gateway version 5.10.10.4, including ones that were later upgraded to ACC 6.

## Known issues in this release (unchanged from the previous service release)

- Due a regression introduced in ACC 6.0.0.24, when stepping in during a Thumbnail Search, the included time range is smaller than it should be. Because of this, it is possible that the time range for the stepped in section of video won't include the change in the background scene the user is trying to find. This issue will be fixed in the next release of ACC 6.
- Due to a regression introduced in ACC 6.0.0.24, the thumbnail results for a Thumbnail Search won't load until all results are available rather than loading sequentially as they did previously. This is most noticeable for Clients connected over a remote connection.

## Avigilon Control Center™ 6 Release Notes

Version 6.2.2.6 (continued)

### Avigilon™ Camera FW Included

- V3.16.0.110 for H4 SL Bullet and Dome cameras
- V3.10.2.10 for H4 Pro H.264 cameras
- V3.16.0.90 for H.264 H3 cameras with self-learning analytics
- V3.16.0.64 for H4 Fisheye cameras
- V3.2.0.40 for H3 Multisensor cameras
- V3.16.0.112 for H4 PTZ cameras
- V3.16.2.90 for H4 Box Bullet Dome cameras with self-learning analytics
- V2.6.0.156 for H3 Micro Dome cameras
- V2.6.0.150 for H3 PTZ cameras
- V2.6.0.156 for H3 Bullet cameras
- V2.6.0.156 for H3 Box Dome cameras
- V2.2.0.48 for H.264 encoders
- V.2.2.0.34 for HD H.264 cameras
- V4.6.0.14 for JPEG2000 HD Pro cameras
- V4.4.0.2 for JPEG2000 Panoramic cameras

## Avigilon Control Center™ 6 Release Notes

Version 6.2.2.4 – Released May 18<sup>th</sup>, 2017

### Release Summary

This is a service release of Avigilon Control Center™ 6.2. Users experiencing issues listed in the “Issues Fixed” list should consider upgrading to this release. In particular customers using ACC Mobile 3 Preview with the new ACC Web Endpoint service, customers using the standalone ACC Client application, and customers using more than 16 lanes of LPR should install this update due to the issues fixed listed below.

**ACC 6 is a paid major version upgrade for ACC 5 customers and requires upgrade license keys in order to use the software** – customers with ACC 5 systems should contact their integrator partner or Avigilon sales representative for more information including upgrade pricing. Customers with ACC 5 systems that are not yet ready to upgrade to ACC 6 can continue to install ACC 5.10 service releases made available on the Avigilon website in order to pick up fixes for software defects.

Integration users may need to upgrade their integration software to a version supported by ACC 6. Please consult the website to determine which versions of your integrations are supported and available for ACC 6.

**Note** – ACC-ACM integrations must be updated to “*AvigilonAcmlIntegration-5.8.4.12\_SR1*” or newer for use with ACC 6.

### Issues Fixed

- Resolved an issue in the Web Endpoint where it would permanently stop forwarding in-app alarm notifications to ACC Mobile 3 Preview clients if network conditions resulted in long enough notification delays
- Ensured the standalone version of the ACC Client checks that .NET 4.6.2 is installed before running
- Fixed an issue preventing more than 16 lanes of LPR from being used on a single site even when correctly licensed for more lanes
- Fixed an issue that could prevent successful license activation of a site that included multiple servers where some had been upgraded from ACC 5
- Corrected an issue where the start and end markers would align with the current time instead of the currently selected (red line) time on the timeline when exporting video
- Fixed an issue where the "Apply to Cameras" action would not apply the image and display settings to all sensors of H3 Multisensor cameras
- Corrected an issue where ACC 5 servers would report an inaccurate count for licenses in use when connecting from an ACC 6 Client. License usage counts are now only available when viewing the information for an ACC 6 server

## Avigilon Control Center™ 6 Release Notes

### Version 6.2.2.4 (continued)

#### Issues Fixed (continued)

- Fixed an issue where, in some cases, analytics would not run on a linked camera following a restart of the ACC ES Analytics Appliance
- Corrected an issue that could cause ACC Server to lock up when adding or editing bookmarks on systems with large amounts of video storage
- Fixed an issue for ACC ES devices where a higher bandwidth video stream is provided to clients than was actually requested
- Corrected the content of Central Station Monitoring Notifications for digital input events to include a list of all linked devices when rules specify no attachments are required

#### Known issues in this release

- Due a regression introduced in ACC 6.0.0.24, when stepping in during a Thumbnail Search, the included time range is smaller than it should be. Because of this, it is possible that the time range for the stepped in section of video won't include the change in the background scene the user is trying to find. This issue will be fixed in the next release of ACC 6.
- Due to a regression introduced in ACC 6.0.0.24, the thumbnail results for a Thumbnail Search won't load until all results are available rather than loading sequentially as they did previously. This is most noticeable for Clients connected over a remote connection.

#### Avigilon™ Camera FW Included

- V3.16.0.30 for H4 SL Bullet and Dome cameras
- V3.10.2.10 for H4 Pro H.264 cameras
- V3.16.0.90 for H.264 H3 cameras with self-learning analytics
- V3.16.0.64 for H4 Fisheye cameras
- V3.2.0.40 for H3 Multisensor cameras
- V3.16.0.92 for H4 PTZ cameras
- V3.16.2.90 for H4 Box Bullet Dome cameras with self-learning analytics
- V2.6.0.156 for H3 Micro Dome cameras
- V2.6.0.150 for H3 PTZ cameras
- V2.6.0.156 for H3 Bullet cameras
- V2.6.0.156 for H3 Box Dome cameras
- V2.2.0.48 for H.264 encoders
- V.2.2.0.34 for HD H.264 cameras
- V4.6.0.14 for JPEG2000 HD Pro cameras
- V4.4.0.2 for JPEG2000 Panoramic cameras

## Avigilon Control Center™ 6 Release Notes

Version 6.2.0.24 – Released April 19<sup>th</sup>, 2017

### Release Summary

This is an initial release of Avigilon Control Center™ 6.2. This release introduces a new ACC Mobile application to support remote alarm handling for small sites deploying ACC appliances. Avigilon Appearance Search™ technology now introduces support for vehicle search. Users experiencing issues listed in the “Issues Fixed” list should consider upgrading to this release. In particular customers experiencing archiving failures with ES Cameras and loss of alarms after clustering an ACC ES appliance with a Windows server should upgrade.

**ACC 6 is a paid major version upgrade for ACC 5 customers and requires upgrade license keys in order to use the software** – customers with ACC 5 systems should contact their integrator partner or Avigilon sales representative for more information including upgrade pricing. Customers with ACC 5 systems that are not yet ready to upgrade to ACC 6 can continue to install ACC 5.10 service releases made available on the Avigilon website in order to pick up fixes for software defects.

Integration users may need to upgrade their integration software to a version supported by ACC 6. Please consult the website to determine which versions of your integrations are supported and available for ACC 6.

**Note** – ACC-ACM integrations must be updated to “*AvigilonAcmlIntegration-5.8.4.12\_SR1*” or newer for use with ACC 6.

### New Features

- ACC Mobile 3 Preview app delivers mobile alarms for small sites and self-monitoring applications. ACC Mobile 3 Preview app can connect directly to ES appliances and recorders running ACC 6.2. When the new optional ACC Web Endpoint Service is deployed on HDVAs, it brings mobile alarm capability to ACC Core and Standard edition HDVA users.
- ACC client introduces a new simplified main application menu and workflow for opening new views. It also offers new unified search buttons for easier access to search options.
- In this release, Avigilon Appearance Search™ technology adds the ability for users to quickly find the instances where a vehicle of interest has appeared in the recorded video from analytic cameras across the entire site to existing capabilities to find a person of interest. Avigilon Appearance Search technology is included with Enterprise edition and requires compatible Avigilon self-learning analytic cameras, NVR analytic kit hardware, and the installation of the Avigilon Control Center Analytics Service component.

## Avigilon Control Center™ 6 Release Notes

Version 6.2.0.24 (continued)

### New Features (continued)

- ACC client can be used to configure the bandwidth reduction settings of Avigilon cameras featuring HSDM SmartCodec™ technology. An operator is able to select the desired background image quality and idle scene mode frame rate behaviour to achieve an overall bandwidth reduction.
- Camera failover licenses can now be purchased and applied to create a pool of contingency licenses that permit a camera to connect to a secondary or tertiary ACC server in case of failure of the primary connection
- ACC now offers de-warped image and video exports from Avigilon Fisheye cameras
- ACC Central Station Monitoring notification attachments can now be configured within the ACC rule definition. Attachments can include an image, a low resolution video clip or a high resolution video clip from one or more related cameras
- Site Health report provides a new filter option to search by server name
- The number of allowable PTZ presets that can be defined from ACC client has been increased to 250
- ACC can now be configured to recognize arbitrary events from 3<sup>rd</sup> party ONVIF conformant devices to trigger ACC rules and present them in the ACC event search results.
- ACC now offers a Middle East Language pack containing Arabic help files

### Issues Fixed

- Fixed an issue where the preview image when requesting an export is incorrect
- Improved handling of RTSP uniform resource identifiers to correct a problem connecting to some devices.
- Resolved an issue where higher resolution cameras had different contrast on different portions of the image.
- Corrected an issue where JPEG2K HD-Dome Cameras Microphone Source Type cannot be configured for "Line"
- Fixed a case that would occasionally cause a client to crash while restoring a saved window layout
- Fixed an issue that could sometimes cause the client to crash in the connect/disconnect cameras screen
- Added a new file combining French and Swiss LPR font templates, updated combined Ireland and UK LPR font template, and added a new LPR font template for Western Australia



## Avigilon Control Center™ 6 Release Notes

### Version 6.2.0.24 (continued)

#### Issues Fixed (continued)

- Corrected an issue with French localization where labels for motion detection started and ended were reversed during rule configuration
- Fixed an issue with export permissions
- Ensured that rules and the analytic events they referred to are matched up with the cameras that can produce such events after rule import to a new server / site
- Corrected an issue making it difficult to navigate topics in the ACC player help
- Improved the performance of site health report for large sites
- Corrected an issue where AVI and snapshot fisheye exports would be a few pixels more than expected
- Fixed a crash in the ACC Player that could be caused by attempting to edit a bookmark
- Corrected improper colour for license management icon on site setup screen
- Corrected a cosmetic issue where the type of connection available (secure) was not shown when setting up the connection to some Avigilon cameras
- Ensured labels for image rate slider are sensible (cosmetic only)
- Fixed an issue preventing the "fit to panel" command on Avigilon fisheye cameras from returning to the overview
- Corrected an issue where it might be possible, in some circumstances, to pan out of the regular image bounds in an H4A camera view
- Ensured that the mouse tools menu bar is available in the sequential alarms view, so that users can pan, zoom, control PTZ, etc.
- Improved behaviour of an export operation that fails when attempting to overwrite (or create) a file without the appropriate permissions
- Added back the count of total number of licenses on a site to the site health report
- Addressed an issue that prevented an error from being generated in some cases when attempting to enable too many LPR lanes
- Ensured that the user interface reflects the fact that an appearance search can no longer continue when the server(s) in a site hosting the appearance search data is(are) shut down
- Fixed a problem where the link between a camera and the Rialto analytics appliance could be broken when the camera alone would reboot
- Fixed an issue during installer validity checks that could cause a small memory leak in the use of the remote upgrade feature
- Corrected a defect preventing Avigilon Appearance Search from being launched from the recorded video of an armed alarm panel
- Improved handling of ONVIF commands to set camera names

## Avigilon Control Center™ 6 Release Notes

### Version 6.2.0.24 (continued)

#### Issues Fixed (continued)

- Addressed an issue where a site would lose alarm capability after de-clustering a server from the site
- Corrected an issue that could cause Avigilon Appearance Search technology to not return any results in some cases when the search was initiated from a period of time where there was low analytics activity (i.e. not many people detected by the cameras)
- Corrected an issue where, in certain cases, a small amount of memory could leak on successful logins
- Fixed an issue with an incorrect error message relating to LPR licensing appearing in some cases on systems without any LPR licenses
- Fix a client crash that would sometimes occur when opening a web page by double-clicking it in the tree
- Fixed an issue causing start and end times not to be set properly when launching a manual archive operation
- Fixed an issue preventing an unlicensed server from joining a licensed site when active directory integration is enabled in the site
- Removed "licensing the server" topic from administration tool help topics, since licensing is now applied from the client
- Changed the process name for the analytics engine to be a "service" rather than a "daemon" to be up to date with Windows naming conventions
- Fixed an issue where the client or virtual matrix would sometimes crash when loading 100's of cameras through saved views
- Fixed an issue preventing users from entering multiple lines of text in a snapshot "export" to PDF
- Added help documentation for new rule events added in ACC 6.0 (Analytics server queue full, analytics server connection lost, user-defined event started, and user defined event ended.)
- Fixed a localization issue for the layout of the Compression and Image Rate dialog in Finnish
- Addressed an issue where a server could retain some or all of the site keys in an unlicensed state after removing the server from the site
- Corrected an issue where Active Directory logins could fail when Active Directory users accounts are inherited from a parent site
- Resolved an issue where camera failover to tertiary connections may fail with license errors when multiple server failures occur
- Improved retry mechanism when errors occur while attempting to connect to a Rialto

## Avigilon Control Center™ 6 Release Notes

### Version 6.2.0.24 (continued)

#### Issues Fixed (continued)

- Fixed an issue that caused the "Enable Appearance Search" video analytics camera setting to be out of sync when an Avigilon self-learning analytics camera was connected to multiple servers
- Corrected an issue that caused analytic bounding boxes and metadata in general to be missing for Avigilon self-learning analytics cameras when set to MJPEG image format
- Fixed an issue when requesting the stream properties in recorded playback mode, the popup indicates unknown state for light level and day/night state values
- Resolved an issue that caused the ACC client to become unresponsive or crash when switching sort order between "by relevance" and "by camera" during an Appearance Search
- Improved 3rd party camera compatibility with support for the latest ONVIF supported version scheme
- Ensured that Appearance Search is disabled if the ACC Analytics Service is installed on a server that doesn't have the necessary server hardware (i.e. the NVR analytics kit add-on)
- Corrected an issue where two tamper events were reported by ACC for each tamper event generated by a camera
- Corrected an issue where the license expiry information was partially clipped in the License Management dialog
- Corrected an issue where pixel motion search would return no results when specifying a date range
- Fixed an issue that could cause the ACC Client to crash when using "Find Camera" in the Connected/Disconnect Cameras tab and when logged into multiple servers
- Corrected a problem which could cause a server to crash when importing improper rules or alarms from a settings backup created on a different site
- Resolved an issue where the standalone ACC Player would not install without first disabling certain Anti-virus programs
- Ensured that alarm escalation in the sequential alarm view happens as scheduled by the alarm setup dialog, and that the timer is not reset when the alarm recurs before it escalates
- Resolved an issue when using an ACC 6 Client to add a new alarm on an ACC 5.x site and where the alarm trigger source is "System Error" caused the ACC 5 server to crash
- Addressed an issue that could cause a server to crash when performing a motion search
- Corrected an issue within camera setup dialogs where PTZ controls would not move camera to the requested position
- Upgraded third party libraries to address security vulnerabilities

## Avigilon Control Center™ 6 Release Notes

### Version 6.2.0.24 (continued)

#### Known issue in this release

- Due to a regression introduced in 6.0 (and 5.10.0), when starting an export operation, the start and end markers will align with the current time instead of the currently selected (red line) time on the timeline. This will be fixed in 6.2 SR1

#### Avigilon™ Camera FW Included

- V3.16.0.30 for H4 SL Bullet and Dome cameras
- V3.10.2.10 for H4 Pro H.264 cameras
- V3.16.0.90 for H.264 H3 cameras with self-learning analytics
- V3.16.0.64 for H4 Fisheye cameras
- V3.2.0.40 for H3 Multisensor cameras
- V3.16.0.92 for H4 PTZ cameras
- V3.16.2.90 for H4 Box Bullet Dome cameras with self-learning analytics
- V2.6.0.150 for H3 Micro Dome cameras
- V2.6.0.150 for H3 PTZ cameras
- V2.6.0.140 for H3 Bullet cameras
- V2.6.0.140 for H3 Box Dome cameras
- V2.2.0.48 for H.264 encoders
- V.2.2.0.34 for HD H.264 cameras
- V4.6.0.14 for JPEG2000 HD Pro cameras
- V4.4.0.2 for JPEG2000 Panoramic cameras

# Avigilon Control Center™ 6 Release Notes

Version 6.0.2.6 – Released March 8<sup>th</sup>, 2017

## Release Summary

This is a service release of Avigilon Control Center™ 6.0. Users experiencing issues listed in the “Issues Fixed” list should consider upgrading to this release. In particular customers with multi-server sites that have recently upgraded from ACC 5 to ACC 6, or customers using AD synchronization, should install this update.

**ACC 6 is a paid major version upgrade for ACC 5 customers and requires upgrade license keys in order to use the software** – customers with ACC 5 systems should contact their integrator partner or Avigilon sales representative for more information including upgrade pricing. Customers with ACC 5 systems that are not yet ready to upgrade to ACC 6.0 can continue to install ACC 5.10 service releases made available on the Avigilon website in order to pick up fixes for software defects.

Integration users may need to upgrade their integration software to a version supported by ACC 6. Please consult the website to determine which versions of your integrations are supported and available for ACC 6.

**Note** – ACC-ACM integrations must be updated to “*AvigilonAcmlIntegration-5.8.4.12\_SR1*” or newer for use with ACC 6.0.

## Issues Fixed

- Resolved an issue where a multi-server ACC 6 site may report being unlicensed one month after upgrading from ACC 5 licenses
- Ensured AD synchronization remains enabled after an ACC server restart
- Resolved an issue in multi-server sites where cameras report 'Not Authorized' after an ACC upgrade
- Resolved an issue that prevented setting the logical ID for a saved view
- Fixed an issue in the ACC Gateway that would cause a warning on some security scans
- Enhanced system behaviour to be more resilient to certain Denial-of-Service attacks
- Fixed an issue where the server could crash when the Find Camera dialog is used to find and connect a new camera
- Resolved an issue in the ACC SDK which in certain scenarios leads to high memory usage and the ACC server to crash
- Ensured the correct number of LPR licenses are recognized after adding new LPR licenses
- Ensured that Axis Q1941-E cameras connected via a Rialto do not crash the server
- Corrected an issue where analytic detection stops after zooming on a camera connected to a Rialto or an ACC ES Analytic Appliance

## Avigilon Control Center™ 6 Release Notes

### Version 6.0.2.6 (continued)

#### Known issues in this release

- Using an ACC 6 Client to add a new alarm on an ACC 5.x site and where the alarm trigger source is "System Error" can cause the server to crash. As a workaround, when adding alarms with this trigger source use an ACC 5.10 version of the Client.
- If the ACC Analytics Service is installed on an ACC Enterprise server that doesn't have the necessary server hardware (i.e. the NVR analytics kit add-on), the feature can incorrectly appear to be available for use but won't work in this scenario.

#### Avigilon™ Camera FW Included

- V3.16.0.30 for H4 SL Bullet and Dome cameras
- V3.10.2.10 for H4 Pro H.264 cameras
- V3.10.2.10 for H.264 H3 cameras with self-learning analytics
- V3.16.0.48 for H4 Fisheye cameras
- V3.2.0.40 for H3 Multisensor cameras
- V3.16.0.54 for H4 PTZ cameras
- V3.10.2.12 for H4 Box Bullet Dome cameras with self-learning analytics
- V2.6.0.150 for H3 Micro Dome cameras
- V2.6.0.150 for H3 PTZ cameras
- V2.6.0.140 for H3 Bullet cameras
- V2.6.0.140 for H3 Box Dome cameras
- V2.2.0.48 for H.264 encoders
- V.2.2.0.34 for HD H.264 cameras
- V4.6.0.14 for JPEG2000 HD Pro cameras
- V4.4.0.2 for JPEG2000 Panoramic cameras

# Avigilon Control Center™ 6 Release Notes

Version 6.0.0.24 – Released January 23<sup>rd</sup>, 2017

## Release Summary

This is the initial release of Avigilon Control Center™ 6.0, which includes Avigilon Appearance Search™ technology and other new features as summarized below. **ACC 6 is a paid major version upgrade for ACC 5 customers and requires upgrade license keys in order to use the software** – existing ACC 5 customers should contact their integrator partner or Avigilon sales representative for more information including upgrade pricing. Existing ACC 5 customers not yet ready to upgrade to ACC 6.0 can continue to install ACC 5.10 service releases that are made available on the Avigilon website, in order to pick up fixes for software defects.

Integration users may need to upgrade their integration software to a version supported by ACC 6. As the FTP site contains integration software for both ACC 5 and ACC 6, please consult the website to determine which versions of your integrations are supported and available.

**Note** – ACC-ACM integrations must be updated to “*AvigilonAcmlIntegration-5.8.4.12\_SR1*” or newer for use with ACC 6.0.

## New Features

- Avigilon Appearance Search™ technology enables users to quickly find the instances where a person of interest has appeared in the recorded video from analytic cameras across the entire site. Avigilon Appearance Search technology is included with Enterprise edition and requires compatible Avigilon self-learning analytic cameras, NVR analytic kit hardware, and the installation of the Avigilon Control Center Analytics Service component.
- Bookmark Search now allows multiple bookmarks to be selected at a time and actions taken on them including: deletion, change of protection status, and creation of a multi-clip native (.AVE) export using the video associated with the individual bookmarks.
- Standard Edition now has 21 rules available (20 user configurable rules and 1 default rule), allowing increased flexibility to take action or generate notifications for analytic events.
- Remote licensing allows users to adjust licensing using ACC Client instead of the server admin console. With this feature, customers can simply connect to a site from their ACC Client to add or remove product license keys, or to reactivate their licenses when servers are added or removed from the site.
- Site-based licensing pools the licenses across all servers in a site so that the licenses do not need to be assigned to a particular server. A larger 48 channel enterprise license product key is now available to simplify license management in larger sites.
- Video Clip attachments sent with Central Station Monitoring notifications now include analytic bounding boxes and are higher resolution if the camera offers a compatible video stream. ACC ES Cameras do not include bounding boxes in their attachments.

## Avigilon Control Center™ 6 Release Notes

### Version 6.0.0.24 (continued)

#### New Features (continued)

- Updated security for client-server and server-server connections using Secure Remote Password. This technology improves the trust between ACC components without requiring third-party certificates while maintaining secure communications over the LAN or WAN.

#### Updates to Supported Platforms

- Windows Vista and Windows Server 2008 are no longer supported.
- ACC Server is only available for 64 bit versions of the supported operating systems.
- The ActiveX Web Client is no longer available. The ACC Gateway's HTML5 Web Client is available for users that wish to access an ACC site from a browser. For users that require the full ACC Client's functionality, but don't wish to or aren't able to install it, they can use the standalone version of the Client (no installation required).

#### Known issues in this release

- Active Directory (AD) synchronization can become disabled after an ACC Server restart in some Windows domain environments for single server sites. In order to allow AD users to login after a server restart in these cases, a local ACC administrator will need to re-enable AD synchronization.
- It is currently not possible to properly specify the logical ID for a saved view.



## Avigilon Control Center™ 6 Release Notes

Version 6.0.0.24 (continued)

### Avigilon™ Camera FW Included

- V3.12.0.34 for H4 SL Bullet and Dome cameras
- V3.10.2.8 for H4 Pro H.264 cameras
- V3.10.2.8 for H.264 H3 cameras with self-learning analytics
- V3.14.0.28 for H4 Fisheye cameras
- V3.2.0.40 for H3 Multisensor cameras
- V3.14.0.52 for H4 PTZ cameras
- V3.10.2.8 for H4 Box Bullet Dome cameras with self-learning analytics
- V2.6.0.150 for H3 Micro Dome cameras
- V2.6.0.150 for H3 PTZ cameras
- V2.6.0.140 for H3 Bullet cameras
- V2.6.0.140 for H3 Box Dome cameras
- V2.2.0.48 for H.264 encoders
- V.2.2.0.34 for HD H.264 cameras
- V4.6.0.14 for JPEG2000 HD Pro cameras
- V4.4.0.2 for JPEG2000 Panoramic cameras