



CathexisVision 2019.3 Release Notes

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| Types | Feature (Addition) | Modification (Change) | Fix (Problem fix) | Deprecated (Removed) |
|-------|--------------------|-----------------------|-------------------|----------------------|
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Note:

- I. While **Cathexis** has made every effort to ensure the accuracy of this document, there is no guarantee of accuracy, neither explicit nor implied. Specifications are subject to change without notice.
- II. Further information on cameras listed in these Release Notes should be sought here: <http://integrations.cathexisvideo.com/supported-i-p-cameras/>
- III. Further information on integrated devices listed in these Release Notes should be sought here: <http://www.cathexisintegrations.com/supported-integrations/>

CathexisVision 2019 Update Notices

General Notices

- 1. CathexisVision 2018 is the last release to support the Linux Fedora 16 operating system.
- 2. From CathexisVision 2018, the user interface may connect to previous versions of CathexisVision Server software, but with a loss of functionality. It is recommended that the viewing software and the recording software be of the same major version.
- 3. Support for Windows Vista and Windows Server 2008 has been dropped from CathexisVision 2018.3 and onwards. Support for Windows Server 2008 R2 remains.
- 4. The ID process used for licensing a system running on a virtual machine changed in CathexisVision 2018.
- 5. From CathexisVision 2017, the concept of unit groups for a user is no longer supported. Unit groups will be supported for connections to sites running earlier software versions.
- 6. The multisite user interface has been discontinued from 2016 onwards.
- 7. CathexisVision 2016 is the last major release to support the viewing of wavelet video (and VOM2x10 cards). CathexisVision 2016 software does not support wavelet hardware, but it does allow users to connect to and view wavelet video from earlier versions that do support it, subject to the usual restrictions on backward compatibility.
- 8. AVM3000 frame-grabbers and SAM1000 encoders are not supported from CathexisVision 2016 onwards.

1 Critical Changes for 2019.3

| # | Key area | Software Change | Type |
|----|-------------------|---|--------------|
| 1. | Analytics | Object classifier. Object Classifier will automatically work on highest resolution feed available. | Modification |
| 2. | System Monitoring | Cameras Report. Added the option to list online cameras in 'currently failed cameras' report. | Modification |
| 3. | User Interface | Integrations. The following changes have been made to integrations: <ul style="list-style-type: none"> Integration objects are ordered alphabetically in event trigger setup and the popup menu is scrollable. If an integration provides many objects, the popup menu now has a scrollbar. | Modification |
| 4. | User Interface | Snapshot image. When exporting a snapshot image, the camera name and time can be overlaid and the system now remembers the user's selection . | Feature |

2 Feature Changes for 2019.3

| # | Key area | Software Change | Type |
|-----|---------------|---|---------------|
| 1. | Analytics | Still Object Algorithm. Errors with the tracking area were corrected to prevent possible crashes when using colour. | Fix |
| 2. | API | API. Fixed direct-to-slave API live streaming. | Fix |
| 3. | Archiving | Archive Viewer. Fixed multi-camera archive viewer privacy zone where part of the privacy zone is off-image. | Fix |
| 4. | CatMobile | CatMobile. Stopped CatMobile streaming a random feed when the requested camera is down. | Fix |
| 5. | CatObserver | CatObserver. The following modifications have been made to CatObserver: <ul style="list-style-type: none"> Resolved size flickering with the CatObserver V2 driver for resolutions where width is not divisible by 8. Fixed a CatObserver capture bug with virtual machines. | Modification |
| 6. | Configuration | ONVIF V2. Made the following changes to the ONVIF V2 driver: <ul style="list-style-type: none"> The number of presets which can now be given custom names is increased to 256. When using a preset, "CatX" will be searched, and if this is not found a search will be run for "PresetX". Added custom presets prefix. | Modification |
| 7. | Core | Intel CPU's. Fixed crash caused by OpenSSL when running on 10th generation Intel CPU's. | Fix |
| 8. | Database | Database. Adjusted database start-up parameters to reduce initialise time and prevent the database from overloading a slice after restart. | Fix |
| 9. | Database | Recordings. Fixed a problem where a short network drop-out to the network storage system temporarily rendered new recordings inaccessible. | Fix |
| 10. | Failover | Failover. Fixed failover recovery on multiple ownership hot-spare collision. | Fix |
| 11. | Gateway | Gateway. The gateway alarm filter now extends to the end of 2039. | Fix |
| 12. | Installation | GUI. Resolved an issue where a firewall message would appear when the CathexisVision GUI is run for the first time. | Fix |
| 13. | Integration | Dynamass. CathexisVision now integrates with the Dynamass weighbridge. | Feature |
| 14. | Integration | Ipsotek. Changes have been made to the Ipsotek integration: <ul style="list-style-type: none"> When the "preset" attribute is missing from the status message, a camera is no longer set to disabled | Modification. |

| # | Key area | Software Change | Type |
|-----|-------------|--|--------------|
| | | <ul style="list-style-type: none"> Resolved an issue with detecting alarms that are split across multiple TCP packets | |
| 15. | Integration | <p>ISS SecurOS. CathexisVision now integrates with the ISS SecurOS license plate recognition and container recognition. Some changes have been made to this integration:</p> <ul style="list-style-type: none"> The LPR meta database has two new filters, which allow a user to only enter a part of the full license plate or container id. A new database will have to be created for this change to take effect. Added support for the "validContainer" field. | Modification |
| 16. | Integration | Lenel. Fixed an issue which could cause the Lenel integration to stop receiving events after a large photo was sent. | Fix |
| 17. | Integration | Paxton. The Paxton access control integration now has a camera overlay. | Feature |
| 18. | Integration | Repos POS. Fixed a bug when data is received from multiple serial ports at the same time. | Fix. |
| 19. | Integration | SALTO. Fixed an issue with the SALTO access control integration where doors above number 256 would not have their names imported. | Fix |
| 20. | Integration | <p>SWM. The Southwest Microwave integration has been modified in the following ways:</p> <ul style="list-style-type: none"> The "Device address" property of the "AlarmInputModule" and the "RelayOutputModule" now only displays a number. Changed the commands to add a CableCell to a CableCellGroup to take a number for certain parameters. The CableCell now also displays the name of the linked CableCellGroup. The integration now supports a TCP connection to the RPM II module. There were bug fixes to the following modules: ROM II, Module330, AIM II. | Modification |
| 21. | Integration | <p>The following changes have been made to the Impro Portal:</p> <ul style="list-style-type: none"> Implemented the event registration required by Impro Portal V4 to receive events. The tag id is now hidden in the Impro Portal integration. | Modification |
| 22. | Licensing | CDVR-1000 Linux DVR. Fixed a problem where analogue cameras on a DVR with a CDVR-1000 Linux DVR enabler license are incorrectly treated as 3rd party IP cameras requiring a license. | Fix |
| 23. | Logic | Alarms. Fixed \$alarm_description keyword substitution for technical alarms. | Fix |

| # | Key area | Software Change | Type |
|-----|-----------------|---|--------------|
| 24. | Network Cameras | Axis Perimeter Defender. Added a setting to force using Axis Perimeter Defender. | Fix |
| 25. | Network Cameras | Mobotix. Fixed extraction of image resolution from JPEG data with stalled feeds using Mobotix cameras. | Fix |
| 26. | Network Cameras | Vivotek. Fixed a problem where some Vivotek models where not using the correct streaming URL. | Fix |
| 27. | Network Cameras | Milesight. Added LPR support for Milesight cameras. | Feature |
| 28. | Review | Review. Fixed review service crash that can occur after a connection failure. | Fix |
| 29. | User Interface | Integrations. The following changes have been made to integrations: <ul style="list-style-type: none"> Integration objects are ordered alphabetically in event trigger setup and the popup menu is scrollable. If an integration provides many objects, the popup menu now has a scrollbar. | Modification |
| 30. | User Interface | Sam3204. The resource list was not showing when a camera connected to a sam3204 went down. This is fixed. | Fix |
| 31. | User Interface | Snap search. Prevented the snap search window from exceeding the screen size in high DPI mode. | Fix |