



# CathexisVision 2018.4 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 2018 Update Notices

1. Support for Windows Vista and Windows Server 2008 has been dropped from CathexisVision 2018.4 onwards. Support for Windows Server 2008 R2 remains.
2. The CathexisVision 2018 user interface may connect to previous revision CathexisVision servers, but with a loss of functionality. It is recommended that the viewing software and the recording software be of the same major version.
3. The ID process used for licensing a system running on a virtual machine changed in CathexisVision 2018.
4. CathexisVision 2018 does not support the viewing of wavelet video, whether in live, review or archives.

### General Notices

- i. 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.
- ii. The multisite user interface has been discontinued from 2016 onwards
- iii. 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.
- iv. AVM3000 frame-grabbers and SAM1000 encoders are not supported from CathexisVision 2016 onwards.

## 1 Critical Changes for 2018.4

#	Key area	Software Change	Type
1.	API	API. The following changes have been made to the API: <ul style="list-style-type: none"> <li>• Fetching recorded video from the API server using the "pull" flag resulted in the client receiving corrupt video. This has been fixed.</li> <li>• Where the API can no longer control site resources (like switching Video Wall monitors), it can now recover from this state.</li> <li>• Added camera online status to the API interface. The API version is bumped to 1.004.</li> <li>• Fixed API responsiveness when it has many alarms queued. This was done by limiting the API alarm transmission queue to a maximum of 1000 alarms.</li> </ul>	Modification
2.	Configuration	Cameras. The IP address of scanned cameras, where the camera had a custom port number, was being scanned incorrectly. This is fixed.	Fix
3.	Core	nvr_review server. Fixed an nvr_review server crash caused by a video frame with a corrupt time field.	Fix
4.	General	Outlook. When the default email client is Outlook, there were problems with emailing Sherlocks and reports on Windows. This has been fixed.	Fix
5.	General	Resource Panel. Monitors are now listed alphabetically in the context menu and cameras in the resource panel.	Modification
6.	Site	Site connections. The maximum number of per process sockets on Windows has been increased so that the CathexisVision client can make more than 64 simultaneous site connections.	Modification
7.	Site	Site login. The time within which the user has to enter a user name and password, when doing a site login, has been increased: from 30 seconds to 1 minute and 45 seconds.	Modification

## 2 Feature Changes for 2018.4

#	Key area	Software Change	Type
1.	Analytics	Motion search database. Motion search database size was not being set. This has been fixed.	Fix
2.	ANPR	ANPR. The following changes have been made to the ANPR system: <ul style="list-style-type: none"> <li>When the camera's time zone offset is set to 0, the ANPR camera integration did not format the ANPR event time correctly. This is fixed.</li> <li>Added partial match quick filter to the ANPR integration database.</li> </ul>	Modification
3.	ANPR	API. A JPEG image of the frame the license plate is detected in will be sent by the ANPR API notification. This only affects the ANPR API where Dahua or HikVision cameras run the ANPR algorithm.	Fix
4.	API	Ozeki RTSP SDK. Fixed API/RTSP authentication issues with Ozeki RTSP SDK.	Fix
5.	Archiving	Site information. Added site information (site ID and name) to each camera track on an archive.	Feature
6.	Archiving	Linux drive check. Changed the Linux drive check error message during archiving from "Drive check process failed" to "Please check drive and disc".	Modification
7.	Archiving	Archiving. Previously, when archiving to the local hard drive on an Ubuntu-based PC, the default archive path wasn't present. This is fixed. The default path is the user's document path e.g. /home/user/Documents/CathexisVision Archives, where "user" is the user's name.	Fix
8.	Archiving	Archive viewer. The following fixes have been made to the Archive Viewer: <ul style="list-style-type: none"> <li>Fixed problem running the archive viewer from a path containing non-Latin characters.</li> <li>Fixed archiving and archive viewer issues where the archive path contains extended Latin characters.</li> </ul>	Fix
9.	CatObserver	CatObserver. The following modifications have been made to CatObserver: <ul style="list-style-type: none"> <li>Capture rate on Windows is now improved. Changes are supported only on Windows 8 or newer.</li> <li>Added new transport type to address issues with video corruption when capturing high resolution monitors.</li> <li>Reworked video transmission to prevent packet loss and video corruption.</li> <li>Fixed potential video corruption for capturing a high-resolution monitor.</li> </ul>	Modification
10.	CNVR.	CNVR. Updated the CNVR driver, fixing a bug where the I/O server could become unresponsive.	Fix

#	Key area	Software Change	Type
11.	Configuration	Netstep. Fixed an issue where netstep would crash if it didn't have a default configuration file.	Fix
12.	Database	Database. Database robustness is improved.	Modification
13.	Failover	GUI. Fixed GUI crash when modifying failover database.	Fix
14.	General	Archive path. The default archive path is now C:/Users/User/Documents/CathexisVision Archives.	Modification
15.	General	Video Wall. The following updates have been made to the Video Wall control tab: <ul style="list-style-type: none"> <li>• The monitors icons are listed alphabetically.</li> <li>• The number of monitors icons has changed from a fixed number (6) -to the number required to fill the available space.</li> <li>• Supports both old and new style mouse handling to make the layout and menu control consistent with the camera tab.</li> </ul>	Modification
16.	I/O	EIO3102 driver. Fixed a crash in the EIO3102 driver.	Fix
17.	Install	Performance wizard for Windows 10. Fixed disabling of filesystem last access time update in the performance wizard for Windows 10.	Fix
18.	Integration	DSC ITv2 Neo alarm panel integration. CathexisVision now integrates with the DSC Neo alarm panel, using the ITv2 protocol.	Feature
19.	Integration	Galaxy v2 integration. The following changes have been made to the Galaxy v2 integration: <ul style="list-style-type: none"> <li>• Fixed several issues possible causing the integration to become unresponsive.</li> <li>• Fixed an issue which caused repeated disconnections after the TCP out connection goes down.</li> </ul>	Modification
20.	Integration	Honeywell ProWatch Integration. The following changes have been made to the Honeywell ProWatch integration: <ul style="list-style-type: none"> <li>• The integration will now re-use the TCP connection when confirming the event subscription.</li> <li>• Fixed a crash when the authentication details are incorrect.</li> </ul>	Modification
21.	Integration	Illovo MereBank integration. Added secondary cameras to the Illovo MereBank integration meta-database.	Modification
22.	Integration	IXP400 integration. The following changes have been made to the IXP400 integration: <ul style="list-style-type: none"> <li>• Fixed an issue that caused messages received in quick succession to be discarded.</li> <li>• The meta-database filters now let the user enter a tagholder name, instead of using the dropdown menu.</li> </ul> <b>Note:</b> Old databases can be upgraded to version 1.1.2.	Modification

#	Key area	Software Change	Type
23.	Integration	<p>JVA Integration.</p> <p>The following modifications have been made to the JVA integration:</p> <ul style="list-style-type: none"> <li>• Fixed an issue where events configured to trigger based on certain JVA object properties did not work.</li> <li>• Added support for zone sectors.</li> <li>• The ALL view will now be shown by default when opening the meta-database.</li> </ul>	Modification
24.	Integration	<p>Maxxess.</p> <p>The following fixes have been implemented with the Maxxess integration:</p> <ul style="list-style-type: none"> <li>• Parsing of input data is more robust.</li> <li>• Logging of SQL errors is fixed and it will no longer block while waiting for SQL queries.</li> <li>• 'State' field is added back to messages.</li> </ul>	Fix
25.	Integration	<p>Paradox V2 driver. Resolved an issue with the Paradox V2 driver, which could crash the nvr_integration process.</p>	Fix
26.	Integration	<p>Pelco camera driver. On the Pelco camera driver, there is added capability to use support for a 5-input camera (4 sensors).</p>	Feature
27.	Integration	<p>Risco ProSYS integration. The following changes have been made to the Risco ProSYS integration:</p> <ul style="list-style-type: none"> <li>• Fixed a rare issue, which resulted in messages from the panel being decrypted incorrectly.</li> <li>• Fixed a bug, which could crash the integration server.</li> <li>• Added support for Outputs.</li> <li>• Added ability to arm/disarm partitions.</li> <li>• Added a mechanism to specify the number of partitions, zone, and outputs to help with discovering objects.</li> <li>• Added secondary cameras to the meta-database.</li> <li>• If an integration object has no linked cameras, and supports secondary cameras, then the meta-database view incorrectly showed a linked camera. This is fixed.</li> </ul>	Modification
28.	Integration	<p>SoftCon driver. Fixed crash in SoftCon driver when receiving 'Card Entered' message.</p>	Fix
29.	Integration	<p>The following changes have been made to the Impro Access Portal (Impro AP) Pro integration:</p> <ul style="list-style-type: none"> <li>• Fixed incorrect handling of multi-line event descriptions.</li> <li>• Modified process of querying terminals from the Impro database in order to support Impro AP Pro 3.0.</li> </ul>	Modification
30.	Integration	<p>The following events have been added to the Impro IXP20/AP Lite integration:</p> <ul style="list-style-type: none"> <li>• "Denied Lockdown In".</li> <li>• "Denied Lockdown Out".</li> <li>• The event type "Terminal Online".</li> </ul>	Modification

#	Key area	Software Change	Type
31.	Logic	Event Email. Fixed event email with video attachment, where the 'Record trigger camera' action is set up to record a channel that the camera does not have.	Fix
32.	Network Cameras	Arecont multicast. Arecont multicast is no longer supported.	Modification
33.	Network Cameras	Bosch. Bosch camera input triggers are missed when triggered too quickly. Therefore, the advanced option "Enable fast input polling" is now available. <b>Note</b> that this will have an adverse effect on CPU usage in older/slower cameras and will be off disabled by default.	Feature
34.	Network Cameras	Canon camera driver. Settings that cannot be applied in combination are no longer offered on the Canon camera driver. Any setting chosen from Cathexis software should now be applied correctly.	Fix
35.	Network Cameras	Dahua cameras. On Dahua cameras, there is now an advanced option to use legacy PTZ.	Fix
36.	Network cameras	Ganz Pixel Pro driver. Added bitrate options to the Ganz Pixel Pro driver.	Modification
37.	Network cameras	Hikvision. The following changes have been made to the HikVision cameras: <ul style="list-style-type: none"> <li>• There was a problem adding HikVision cameras without audio to CathexisVision. The HikVision V1 driver has now been fixed and these cameras can be added.</li> <li>• When using the HikVision V2 driver, the HikVision NVRs are supported instead of just their cameras.</li> <li>• When using the H265 video codec in HikVision V2, the camera sent partial frames and this resulted in about half the image not showing when viewing video. This is resolved.</li> </ul>	Modification
38.	Network cameras	Mobotix camera driver. Added advanced options to the Mobotix camera driver; 'camera' and 'picture in picture' may now be selected.	Modification
39.	Network Cameras	Multicast. Fixed multicast setup in the Pelco D6230 Sarix/Spectra HD driver.	Fix
40.	Network Cameras	Samsung 3204 camera. Changing the serial port settings when editing the Samsung 3204 camera could cause a GUI crash. This has been fixed.	Fix
41.	Network Cameras	Samsung integration. Support has been added for the multi-headed Samsung cameras using the Samsung V2/Wisenet driver. Supported cameras include: <ul style="list-style-type: none"> <li>• Sightlogix.</li> <li>• Wisenet.</li> </ul>	Modification
42.	Network Cameras	UNV Driver. The UNV (Uniview) camera driver has been added.	Modification
43.	Network Cameras	Vivotek PTZ. Vivotek PTZ was not working. This has been solved by adding Vivotek ePtz (Digital PTZ.)	Feature
44.	Network cameras	Windows audio gaps. Fixed audio gaps when reviewing high frame-rate cameras (50+ fps) on Windows.	Fix

#	Key area	Software Change	Type
45.	Point Of Sale	Home Bargains POS. On the Home Bargains POS update, all data starting from two lines before [*** XXX ***] until one line after [* \n*****] will be ignored.	Modification
46.	Site	Site action setup. The order of cameras in the site action setup is now presented alphabetically.	Modification
47.	User Interface	<p>User interface. The following modifications have been made to the user interface:</p> <ul style="list-style-type: none"> <li>• The default location for file dialogs is now set to the user's documents folder, rather than the install directory.</li> <li>• Italian and Spanish translations are updated.</li> <li>• The French translation of the upload/download in the license wizard is corrected.</li> <li>• Operators can mark a start tag while playing back video and have the video continue playing without looping.</li> <li>• Validity of height and width used to restore the window geometry of the CathexisVision GUI is ensured.</li> </ul>	Modification
48.	Video Wall	<p>Video Wall. The following changes to the Video Wall have been implemented:</p> <ul style="list-style-type: none"> <li>• If the monitor resolution increases, the Video Wall will be set to full screen.</li> <li>• Fixed issue where Windows auto-hidden task bar appears over Video Wall monitor.</li> </ul>	Feature