



# CathexisVision 2015 Release Notes

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Severity	 Critical	 Major	 Normal	 Minor	 Informational
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Types	Modification	Feature (addition)	Problem (fix)	Bug (fix)	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 Change Notes should be sought here: <http://integrations.cathexisvideo.com/supported-i-p-cameras/>
- III. Further information on integrated devices listed in these Change Notes should be sought here: <http://www.cathexisintegrations.com/supported-integrations/>

## 1 Critical 2015 Feature changes










#	Severity	Type	Software Change	Key area
1		Modification	<b>The NETBSD3 and Windows XP Operating Systems will not be supported on CathexisVision 2015.</b>	
2		Modification	<b>Removed the option to create a Basic database on a Windows and Linux NVR.</b>  The basic database has been superseded by the advanced database. No new basic databases may be created but old basic databases are still accessible.	Database









## 2 Major 2015 feature changes







#	Severity	Type	Software Change	Key area
1.		Feature	<b>Add video attachment to event emails.</b> The event emails now have an option to attach video from the recorded cameras. The attached video can either be in the form of a video clip or a series of snapshots.	Logic
2.		Feature	<b>Added SMS notification upon receipt of alarm.</b> The system can be configured to send an SMS when it receives an alarm.	Integration
3.		Feature	<b>Added serial port PTZ control for Acti H264 driver.</b>	Network devices
4.		Modification	<b>Add option to run a Linux NVR as a basestation.</b> This change allows a Linux system to operate as a base station, in the same way as the Windows client software functions. If the Linux NVR is not licensed the unit can be modified/configured to work as a base station.  The Linux system may still be licensed later and then act as an NVR.	Industrialisation
5.		Modification	<b>Modified the Technoswitch tec202 Fire panel integration, to add support for managing zone states via CatMaps.</b>	Integration
6.		Modification	<b>A restart is forced after a unit is added to a site.</b> After a unit has been added to a site (or replaced into a site) it will force a restart of all of the software on that unit, in order to make sure that everything is synchronised.	Site management
7.		Modification	<b>Scheduled archives modification.</b> In CathexisVision 2015 the path permissions, on Linux, have been modified for scheduled archives to ensure that all users have read access to the files.	Archiving
8.		Modification	<b>Additional firewall exception for new Algorithm server configuration.</b> A new firewall exception has been added, for the new algorithm server. The old firewall exceptions, for the old algorithm server, have been removed from the firewall exception list.	Algorithms
9.		Modification	<b>The alarm gateway initialisation in CathexisVision 2015.</b> This modification substantially improves the speed with which the gateway loads alarms at startup whilst using the PostgreSQL database. In CathexisVision 2014 the slow load could make it appear as if the gateway server was not working.	alarms
10.		Modification	<b>Resolved Linux graphical disk management issue.</b> Resolved an issue with the graphical disk manager in Linux. Some disk controllers presented a problem for the graphical disk interface on Linux.	Configuration

11.		Modification	<p><b>Resolved failover event reinsert where a unit is completely replaced.</b></p> <p>Resolved a hotspare to NVR event insertion where the NVR on the site is replaced complete while offline.</p>	Failover				
12.		Modification	<p><b>Resolved an issue where alarms, for advanced database errors, were not being sent.</b></p>	Database				
13.		Modification	<p><b>Resolved Windows restore point issue.</b></p> <p>Resolved an issue where restoring a configuration backup would occasionally not work on Windows.</p>	Configuration				
14.		Modification	<p><b>Limit number of mobile streams.</b></p> <p>Placed the following limits on the number of simultaneous streams served to mobile devices/web browsers. This is to ensure that the servers are capable of delivering the transcoded streams :</p> <table border="1" data-bbox="564 712 1275 904"> <tr> <td><b>NetBSD based recorders</b></td> <td>4 live streams 2 review stream</td> </tr> <tr> <td><b>Windows/Linux based recorders</b></td> <td>12 live streams 4 review streams</td> </tr> </table>	<b>NetBSD based recorders</b>	4 live streams 2 review stream	<b>Windows/Linux based recorders</b>	12 live streams 4 review streams	Mobile
<b>NetBSD based recorders</b>	4 live streams 2 review stream							
<b>Windows/Linux based recorders</b>	12 live streams 4 review streams							
15.		Modification	<p><b>Resolved a GUI failure which occurred after restoring a configuration backup remotely.</b></p>	Configuration				
16.		Modification	<p><b>Improved camera type detection for the 4 channel SAM3s</b></p>	Alarms				









### 3 Normal 2015 feature changes













#	Severity:	Type	Software Change	Key area
1		Feature	<b>Added I/O to Surveon driver.</b> I/O is now implemented in the Surveon driver.	Network devices
2		Feature	<b>Ziton fire panel Integration added</b>	Integration
3		Feature	<b>Added new license report that lists licenses based on license code</b>	Profiling
4		Feature	<b>ACT integration added.</b>  <b>Note:</b> This requires the Cathexis ACT Server which needs to run on the same system as the ACT software. Contact Cathexis support to for a copy of the Cathexis ACT Server Software.  <b>Licenses:</b> FEATURE_CATVISION_ACCESS FEATURE_CATVISION_ACCESS_DOOR FEATURE_CATVISION_ACCESS_DOOR_UNLIMITED	Integration
5		Feature	<b>Santec Panoramic camera integration added.</b>	Network devices
6		Feature	<b>Illovo weighbridge integration added.</b>	Integration
7		Feature	<b>Cosmos Alarm Panel integration added.</b>	Integration
8		Feature	<b>Matrix barcode reader integration added.</b>	Integration
9		Feature	<b>Add read-only driver option for SAM3.</b> A read-only option is added to the SAM3 driver to allow multiple servers to target a single SAM3.  <b>Note:</b> Automatic updates are disabled when read-only is enabled.	Alarms

10		Feature	<p><b>Added audio out to Surveon cameras.</b></p> <p><b>Supported models using at least Surveon firmware version 2.4.C07.20140910:</b> AM1300/1301/1320/1201/4211/4221/3351/2301A/4311/4321/2311/3361/4361/2331/2311P/3371/4371.</p> <p><b>Other models to be supported with an upcoming release of Surveon firmware (so anything from September 2014 and later):</b> CAM7511/3571/2511/3471/4471/2441/4521LV/4561LV/2511SC/4421LV/4461LV/4321LV/4311S2/4351R2/4361LV/2311SC</p>	Network devices
11		Feature	<p><b>Added jump to review from notifications panel.</b></p> <p>The notification panel (part of the resource panel) now has a “review” button. This allows the user to view recordings, for the event they received a notification for.</p>	User interface
12		Feature	<p><b>Trek Scale integration added.</b></p>	Integration
13		Feature	<p><b>Added Gallagher fence integration.</b></p>	Integration
14		Feature	<p><b>Add access rights for disabling alarms in the gateway</b></p> <p>The access rights are set in <b>Menu -&gt; Gateway -&gt; Users -&gt; Manage levels -&gt; Edit</b> and are called:</p> <ul style="list-style-type: none"> <li>• Can disable specific alarms</li> <li>• Can disable server alarms</li> <li>• Can disable site alarms</li> </ul>	Gateway
15		Modification	<p><b>Analytics only available on Linux/Windows NVRs</b></p> <p>The new CathexisVision 2015 video analytics algorithms (licensed using Analytics I, II and III) are only available on Linux and Windows NVRs and will not be available on NetBSD.</p>	Algorithms
16		Modification	<p><b>Paxton Access Control map, and reader identification, changes.</b></p> <p>The maps now display notifications, and readers can now be identified.</p>	Integration
17		Modification	<p><b>Technical alarm and reporting for disk errors reported in the Windows logs.</b></p> <p>The system will generate a technical alarm, for disk errors. Errors from the last 30 days will be included in the disk report.</p>	Profiling




18		Modification	<p><b>Improved error reporting in the license wizard (evident when uploading a license pack fails).</b></p> <p>Also improved the differentiation between licensing a server and licensing a viewer.</p>	User interface
19		Modification	<p><b>Relaxed constraints on analytics feeds for network devices.</b></p> <p>The resolution constraints on analytics feeds have been relaxed for feeds from IP cameras and encoders. A feed can be configured for use by analytics if either one of the following is true:</p> <p style="padding-left: 40px;">its width is <math>\leq 720</math> (<math>\leq 360</math> for a NetBSD server)</p> <p style="padding-left: 40px;">its height is <math>\leq 576</math> (<math>\leq 288</math> for a NetBSD server)</p> <p>These limits can be manually adjusted by editing the settings/system.ini file but this should only be done in consultation with Cathexis as it could cause unexpected side effects.</p>	Network devices
20		Modification	<p><b>Added support for Hitron HDG-T320(NSRS7) cameras.</b></p>	Network devices
21		Modification	<p><b>Relay Encoder.</b></p> <p>Added the ability to stream H.264 over UDP/RTP with the relay encoder. This is set up from encoder setup page.</p>	Network devices
22		Modification	<p><b>Modified the Softcon access control driver to make I/O state changes compatible with maps.</b></p>	Integration
23		Modification	<p><b>Two small database setup changes for active hotspares:</b></p> <ul style="list-style-type: none"> <li>• Hide the failover reinsert database combo for servers that have no hotspare servers present on its local site.</li> <li>• Warn the user if an attempt is made to create/edit/delete databases on an active hotspare server.</li> </ul>	Failover
24		Modification	<p><b>Prevent installation of Windows client on Windows XP.</b></p> <p>Due to the fact that Windows XP is no longer supported. Can still be installed on Windows Vista/7/8 machines.</p>	Industrialisation



25		Modification	<p><b>Added "create own site" option.</b></p> <p>This allows a unit which previously belonged to a site, to detach from a site, and start its own site. This can be found in <b>menu bar → tools → local server maintenance → create own site.</b></p>	Site management
26		Modification	<p><b>Resolved an issue on Fedora, "Cannot talk to klauncher...", when attempting to restore an existing configuration backup as a non-root user.</b></p>	Configuration
27		Modification	<p><b>Resolved PostgreSQL database creation on Windows Server 2012.</b></p> <p>Change to allow the alarm gateway and integration meta databases to be used on Windows Server 2012. Previously it was failing to create the PostgreSQL database because of access right conflicts on this version of Windows."</p>	Database
28		Modification	<p><b>Added windows serial port setup to accommodate serial ports above com9.</b></p>	Communications
29		Modification	<p><b>Force file sync during Fedora archive to flash drive.</b></p> <p>Resolved an issue, on Fedora, where an archive write to a USB flash drive may not fully complete by the time the drive is un-mounted and removed by the user.</p>	User interface
30		Modification	<p><b>Resolved a setup issue in configuring the Canon multicast.</b></p> <p>Resolved an issue that caused multicast on the cameras second stream to not work</p>	Network devices
31		Modification	<p><b>Clearly indicate that the alarm gateway database creation has failed, if PostgreSQL user cannot be created on Linux.</b></p> <p>On Linux the gateway database creation must be done as the root user. However if it was run as a non-root user it would appear to work but the gateway server would not start. This issues a warning and fails the creation correctly</p>	Gateway
32		Modification	<p><b>Added an option to enable automatic firmware update for SAM3's.</b></p> <p>Automatic firmware updating for the SAM3101 and SAM3104 is now user configurable.</p> <p>Clients sometimes configured SAMs to be hosted by two servers, with different code releases. The SAMs would then continue rebooting as they installed first the one version of firmware, and then the other.</p> <p><b>Note:</b> By default it is off.</p>	Alarms

33		Modification	<b>Resolve JPEG timing issue on Vista VK2-MPVRD cameras.</b> Resolved an issue that caused JPEG frames to be skipped.	Network devices
34		Modification	<b>HTML server scaling.</b> Resolved an issue with mobile and web clients where the video is cropped instead of scaled to fit the display.	Mobile
35		Modification	<b>Pelco camera crash.</b> Resolved a crash that would occur if a pelco camera's stream on the web interface had been cleared.	Network devices
36		Modification	<b>Resolved a problem when SAM3's incorrectly report a connection down, as a firmware mismatch.</b>  Now if the connection is down this is correctly reported.	Alarms
37		Modification	<b>Resolved timeline zoom for mice with small scroll-wheel step sizes.</b> Resolved an issue with timeline zoom, for mice with very small wheel step sizes (like smooth scrolling scroll-wheels).	Normal
38		Modification	<b>Set NetBSD web interface review limit to 2</b> Resolved an issue introduced by NetBSD review limits when cameras are changed while reviewing.	Mobile
39		Modification	<b>Resolved scheduled archive issue</b> Resolved a lock up when the scheduled archive process signs archive files on Ubuntu.	Archiving
40		Modification	<b>Surveon changes.</b> Resolved an issue where the 1280x960 resolution could not be configured on Surveon cameras.  Removed multicast from setup options.	Network devices
41		Modification	<b>Refresh timeline data on review end.</b> Resolved an issue where timeline data did not refresh when the user clicked to end review.	Database
42		Modification	<b>Added support for wavelet review for web/mobile</b>	Alarms
43		Modification	<b>Resolved a problem with reviews starting up in some circumstances.</b>	Mobile
44		Modification	<b>Resolved a problem with the reporting of the analytics feed, on Mobotix cameras.</b>	Network devices

## 4 Minor 2015 feature changes

#	Severity:	Type	Software Change	Key area
1		Modification	<p><b>Save a particular user's archive settings, in the user's OS home path.</b></p> <p>On Ubuntu, store default archive paths (and viewer copy settings) independently for each archive user.</p> <p>Resolved an issue where the first OS user to perform an archive is the only user that is able to change the archive settings.</p>	Archiving
2		Modification	<p><b>Resolved double digit serial port number for KBD3000s on non-Windows.</b></p> <p>Resolved an issue where a KBD3000 could not be configured when the COM port exceed 9 on Linux/NetBSD operating systems.</p>	User interface
3		Modification	<p><b>Modification to discard recording failure technical alarms for disabled cameras</b></p>	Profiling