



# Release Notes CathexisVision 2014 Service Pack 3

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<b>Severity</b>	 Critical	 Major	 Normal	 Minor	 Informational
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<b>Types</b>	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

#	Severity	Type	Software Change	Key area
1		Problem	<b>Please note that PostgreSQL will no longer be officially supported on NetBSD 3 from CathexisVision 2014 SP3. This means that a NetBSD 3 system will not be able to operate as an alarm gateway system.</b>	Gateway





## 2 Major




#	Severity	Type	Software Change	Key area
1.		Feature	<p><b>WBX weighbridge integration.</b></p> <p>This integration device is designed to receive data sent from the WBX weighbridge service. It receives:</p> <ol style="list-style-type: none"> <li>1. Heartbeat messages, which indicate the connection is up.</li> <li>2. Transaction messages which contained data sent from a particular weighbridge.</li> </ol>	Integration
2.		Feature	<p><b>Samsung SUNAPI 2.0 camera integration added.</b></p>	Network devices
3.		Modification	<p><b>Improved live video when an NTSC camera is used on a PAL system.</b></p>	User interface
4.		Modification	<p><b>Remove old maintenance licenses and report on new camera maintenance licenses.</b></p> <p>CathexisVision2015 will use a camera based maintenance license model (instead of server based). This change allows CathexisVision2014 to report on what camera maintenance licenses will be needed if the site is upgraded to CathexisVision 2015.</p>	Licensing
5.		Modification	<p><b>Increase UDP receive buffer size for integrations that use a UDP channel.</b></p> <p>This is to fix a problem where some transactions might be lost.</p>	Integration
6.		Modification	<p><b>Place limits on the number of simultaneous streams served to mobile devices/web browsers.</b></p> <ol style="list-style-type: none"> <li>1. For NetBSD based recorders:             <ol style="list-style-type: none"> <li>a. 4 live streams.</li> <li>b. 1 review stream.</li> </ol> </li> <li>2. For Win/Linux? based recorders:             <ol style="list-style-type: none"> <li>a. 12 live streams.</li> <li>b. 4 review streams.</li> </ol> </li> </ol>	Mobile
7.		Modification	<p><b>Improved the scheduling of VOM15 compressions, on heavily loaded systems.</b></p> <p>Improved the scheduling of VOM15 compressions on heavily loaded systems to compensate for vastly different request rates which might be experienced when low frame rate recording and high frame rate remote live streaming are done on different cameras.</p> <p>This will be of most relevance to old single core NetBSD 3 systems.</p>	Frame grabbers

8.		Problem	<b>Surveon CAM2321 problem.</b> Fixed a problem that was causing video corruption on the Surveon CAM2321 camera.	Network devices
9.		Problem	<b>Disk error technical alarm dialout frequency.</b> Fixed a problem where technical alarms generated by SMART disk errors were repeating every 5 minutes even though the technical alarm was configured to repeat every 12 hours.	Alarms
10.		Problem	<b>Fixed issue with alarm for advanced database errors not being sent.</b>	Database
10.		Problem	<b>Fixed an iterator problem on Windows which causes problem with ONVIF.</b> This compile problem was evident on windows only.	Network devices
11.		Problem	<b>Pelco event message.</b> Event messages on some newer Pelco camera models were not sent through.	Network devices
12.		Problem	<b>Samsung V2 driver problem fixes.</b> <ol style="list-style-type: none"><li>1. Analytics triggers did not come through.</li><li>2. CathexisVision got information about a different stream on the camera to the one expected.</li></ol>	Network devices
13.		Problem	<b>Fixed HTMLServer crash on slow systems viewing high bitrate cameras.</b>	Mobile
14.		Problem	<b>Fixed a crash which can happen when logging out while streaming video with a mobile device or a web client.</b>	Mobile
15.		Problem	<b>Fix archive file verification from GUI on Windows NVR.</b>	Archiving
16.		Problem	<b>Fixed an issue with RTSP authentication which meant an IP camera would not stream.</b>	Network devices
17.		Problem	<b>Fixed web/mobile live streaming issues.</b>	Mobile
18.		Problem	<b>Flir camera problem.</b> The NVR would crash, when the camera could not be pinged.	Network devices
19.		Problem	<b>Fixed a problem with the performance monitor, on large sites.</b>	Profiling
20.		Problem	<b>Fixed a problem that caused the SAM3101 to reboot, when entering and exiting configuration.</b>	Alarms
21.		Problem	<b>Saflec problem.</b> Causing the integration server to crash.	Integration









22.		Problem	<p><b>Flexwatch fix.</b></p> <p>Fixed two issues on Flexwatch cameras:</p> <ol style="list-style-type: none"> <li>1. Cameras less than 2MP were not presenting the correct video capabilities.</li> <li>2. Camera would not stop `zooming.</li> </ol>	Network devices
23.		Problem	<p><b>JVC VN-H fixes.</b></p> <p>The following three issues were fixed:</p> <ol style="list-style-type: none"> <li>1. Multicast did not stream.</li> <li>2. Could not playback audio.</li> <li>3. Poor video quality and frame rate.</li> </ol>	Network devices













### 3 Normal















#	Severity:	Type	Software Change	Key area
1		Feature	<p><b>Genesis wireless PIR.</b> Requires the FEATURE_CATHEXISVISION_GENESIS license.</p> <p><b>Features</b></p> <ol style="list-style-type: none"> <li>1. The software connects to a genesis masterhead.</li> <li>2. The masterhead is able to connect to a maximum of 32 PIR detectors, and relay if the PIR is triggered (set off).</li> <li>3. The masterhead is also able to send the battery status of the PIR, if the data is received through a walk test unit.</li> </ol>	Integration
2		Feature	<p><b>Hunt camera feature addition.</b> Add the Hunt "video loss trigger". When the video source goes down, the "STARTVIDEOLOSS" trigger will be sent to the system.</p>	Network devices
3		Feature	<p><b>Added the Sunell Camera drivers.</b></p>	Network devices
4		Feature	<p><b>Added I/O to Surveon driver.</b></p>	Network devices










5		Feature	<p><b>Repos POS integration.</b></p> <p>The following licenses are required:</p> <ol style="list-style-type: none"> <li>1. FEATURE_CATHEXISVISION_POS</li> <li>2. FEATURE_CATHEXISVISION_POS_TILL</li> <li>3. FEATURE_CATHEXISVISION_POS_TILL_UNLIMITED</li> </ol> <p>The driver is able to connect to multiple tills. The driver connects to each till on a separate serial COM port. Each till is identified based on the COM port it is connected to.</p> <p><b>Repos POS features.</b></p> <ol style="list-style-type: none"> <li>1. Connect to multiple tills on separate serial ports.</li> <li>2. Each till is associated with a till object</li> <li>3. Receives live transactions from each till, and displays them as transaction event messages.</li> <li>4. This device has a POS interface. This enables viewing of a camera associated with a till object, and live transactions in the same window.</li> <li>5. Each transaction event is stored in a metabase.</li> </ol>	Integration
6		Feature	<p><b>Hitron and Hitron Legacy driver.</b></p> <ol style="list-style-type: none"> <li>1. Added a Hitron legacy driver.</li> <li>2. Added support for the Hitron NFX-12053B1 camera.</li> </ol>	Network devices
7		Feature	<p><b>UDP Technology driver added.</b></p>	Network devices










8		Feature	<p><b>Paxton access control integration.</b></p> <p>The following licenses are required:  FEATURE_CATHEXISVISION_ACCESS  FEATURE_CATHEXISVISION_ACCESS_DOOR or  FEATURE_CATHEXISVISION_ACCESS_DOOR_UNLIMITED</p> <p>This device accepts a TCP connection from the Paxton wrapper, and is able to receive a list of doors and access events per door from the Paxton access control system.</p> <p><b>Paxton access control features:</b></p> <ol style="list-style-type: none"> <li>1. Connects to the Paxton system, and receives a list of doors currently added to the system.</li> <li>2. Access events are received for each door in the Paxton system.</li> <li>3. Access events are stored in a metadb.</li> <li>4. The user can filter on event types and event subtypes in the metadb.</li> </ol>	Integration
9		Feature	<p><b>Added support for toggle buttons in the PTZ control panel, and enabled them for control of the Intervid PTZ.</b></p>	User interface
10		Feature	<p><b>ZKTeco camera driver added.</b></p>	Network devices
11		Feature	<p><b>Fixed Linux restore point permissions issues, and remote rp management.</b></p> <ol style="list-style-type: none"> <li>1. Fixed permissions problems when managing configuration backups with non-root users on Linux.</li> <li>2. Implemented remote configuration backup management.</li> </ol>	Configuration
12		Feature	<p><b>Added the FLIR integration.</b></p> <p>Licenses:  This requires two CLIC-2000 licenses - one for the daylight camera and the other for the infrared camera.</p>	Network devices
13		Feature	<p><b>Added zoom to area to Hikvision.</b></p>	Network devices
14		Feature	<p><b>Hitron HDG-T320(NSRS7) driver added.</b></p>	Network devices
15		Feature	<p><b>Vista VK2-1080XVRPTZ camera drivers added.</b></p>	Network devices

16		Feature	<p><b>Added support for the Hikvision DS-2CD6332FWD-IV, fisheye camera.</b></p> <ol style="list-style-type: none"> <li>1. Supports 5 video inputs (1st being the fisheye view with the rest being transforms).</li> <li>2. PTZ can be used for the transformed views.</li> <li>3. Multicast will only stream to port 8860.</li> </ol>	Network devices
17		Modification	<p><b>Modified the FlexWATCH driver to conform to new API information.</b></p> <ol style="list-style-type: none"> <li>1. This change allows us to more accurately represent resolutions and framerates.</li> <li>2. We now also support multicast and enabling of audio from within our setup.</li> </ol>	Integration
18		Modification	<p><b>Increase max live video decoders from 8 to 12.</b></p>	Streaming video
19		Modification	<p><b>Minor licensing changes.</b></p> <ol style="list-style-type: none"> <li>1. Email event action moved from Pro to Core.</li> <li>2. Site map license moved from Core to Lite.</li> </ol>	Licensing
20		Modification	<p><b>Support added for CathexisVision 2015 and later camera licenses.</b></p>	licensing
21		Modification	<p><b>Adjusted the Impro IXP20 driver name to reflect compatibility with APLITE.</b></p> <p>Driver is now named IXP20 / APLITE access control.</p>	integration
22		Modification	<p><b>Modified the Softcon driver to make I/O state changes compatible with maps.</b></p> <p>Any changes to the I/O states can now be viewed on maps.</p>	Integration
23		Problem	<p><b>Ignore TeamViewer VPN Adapter as dongle on Windows.</b></p> <p>TeamViewer masquerades as an Ethernet adapter, and this incorrectly contributed to the calculation of the license information. TeamViewer IDs are now excluded.</p>	Licensing
24		Problem	<p><b>Fixed a problem that prevented access to serial ports above com9.</b></p>	Communications
25		Problem	<p><b>Added support for archiving from PostgreSQL gateway database.</b></p>	Archiving
26		Problem	<p><b>Added firewall exceptions for performance monitors, on Windows.</b></p>	Profiling
27		Problem	<p><b>Technoswitch tec202 fire panel.</b></p> <p>Fixed a problem where CathexisVision was unable to communicate with multiple panels.</p>	Integration



28		Problem	<b>Modified the Softcon driver to process reader events faster.</b> Fixed a problem that caused reader events to populate the database slowly.	Integration
29		Problem	<b>Prevent de-interlacing of images that are not exactly 704 or 720 wide.</b>	Core
30		Problem	<b>Modified support for 3MP Hunt cameras.</b> 1. Set max frame rate to 20fps. 2. Corrected the video input resolution parameter, so that resolutions will be adjusted correctly.	Network devices
31		Problem	<b>Fixed Ubuntu archive viewer authenticity verification.</b>	Archiving
32		Problem	<b>Fixed a problem that caused a crash when adding a Pelco camera.</b>	Network devices
33		Problem	<b>Fixed a random html server crash.</b>	Mobile
34		Problem	<b>Fixed issue where restoring a configuration backup would, occasionally, not work on Windows.</b>	Configuration
35		Problem	<b>Surveon CAM6181 support added.</b>	Network devices
36		Problem	<b>Surveon CAM3371.</b> 1. Removed multicast option. 2. Fix setup of 1280x960 resolution.	Network devices
37		Problem	<b>Fix Vivotek serial port setup.</b> Could not set serial port to even parity.	Network devices
38		Problem	<b>Map editor.</b> <ul style="list-style-type: none"> <li>Fixed the 'Set Icon' animation action.</li> <li>Improved icon management in the map editor.</li> </ul>	User interface
39		Problem	<b>Removed MPEG4 option on Surveon CAM2511.</b>	Network devices
40		Problem	<b>Fixed the Hikvision DS-2CD2012-I integration.</b> 1. JPEG quality would not change. 2. Multicast would not stream.	Network devices
41		Problem	<b>Fix opening of gateway case attachments on Ubuntu.</b> This was not supported on Ubuntu. This has been corrected.	User interface

42		Problem	<p><b>Samsung camera changes.</b></p> <ol style="list-style-type: none"> <li>1. The Samsung Legacy driver is now available. It is called "Samsung Legacy".</li> <li>2. The current "Samsung" driver has been renamed to "Samsung V1".</li> <li>3. The control port on the Samsung legacy drivers has been set to port 4000, which is the default port.</li> </ol> <p><b>Note:</b> The camera will not stream video if the control port on the camera does not match up to port 4000.</p>	Network devices
43		Problem	<p><b>Bosch H263 AVI conversion problem fix.</b></p> <p>Fixed the Bosch H263 AVI archive conversion.</p>	Archiving
44		Problem	<p><b>Impro IXP20 problem.</b></p> <p>Some events would not come through.</p>	Integration
45		Problem	<p><b>Fedora audio fix.</b></p> <p>Fixed a problem in the Fedora software that meant that non-root users could not listen to audio.</p>	Audio
46		Problem	<p><b>Canon. Made the following changes:</b></p> <p>Made the following changes in the Canon stream setup:</p> <ol style="list-style-type: none"> <li>1. Fixed setup of the VB-S900F.</li> <li>2. Added audio support.</li> <li>3. Added multicast support.</li> </ol>	Network devices
47		Problem	<p><b>Pelco fixes.</b></p> <ol style="list-style-type: none"> <li>1. Removed I/O, as it is not in the driver.</li> <li>2. Fixed Triggers not appearing in the Trigger History.</li> <li>3. Fixed Event Triggers not coming through.</li> </ol>	Network devices
48		Problem	<p><b>Remove upgrade process from HDE watchdog list.</b></p> <p>Fixed a problem where the upgrade fails after uploading 1-2%.</p>	Network devices
49		Problem	<p><b>Fix loading of polygons with 3 points.</b></p> <p>Fixed a problem that caused three sided polygons to not be loaded when viewing the map.</p>	User interface
50		Problem	<p><b>Fix Alsa audio playback on Ubuntu.</b></p> <p>Fixed a crash that occurred when trying to playback audio in Ubuntu.</p>	Audio

## 4 Minor

#	Severity:	Type	Software Change	Key area
1		Modification	<b>Added camera information to Surveon driver.</b> The Surveon driver will now display the model, firmware version, serial number and MAC address.	Network devices
2		Modification	<b>Disallow recording trigger camera from "any device" event triggers.</b> The recording of trigger cameras is not supported, but it was still offered, this removes it from the menu.	Integration
3		Modification	<b>Removed the "open CD/USB drive" buttons, in Ubuntu archive viewer, as they are not required.</b>	Archiving
4		Modification	<b>Hide notification field on Impro IXP20 / Access Portal.</b> This is now hidden, as it is obsolete.	Integration
5		Modification	<b>Fixed a problem that kept the previous versions of Start Menu shortcuts after an upgrade.</b>	Production
6		Problem	<b>Scheduled gateway report problem.</b> Fixed a problem that was causing mail is sent repeatedly to the first recipient, if the email recipients, for scheduled gateway reports, were separated with a ';':	Gateway
7		Problem	<b>CatMap fix.</b> Prevent rotation of camera zones with camera icon rotation on the map.	User interface

## 5 Informational

#	Severity:	Type	Software Change	Key area
1		Modification	<b>Include advanced database slice location, in alert messages.</b> Include the advanced database slice location in the alert message that appears in the database setup alerts section, when a slice has a problem.	Database
2		Problem	<b>Ubuntu/Fedora problem fix</b> This change allowed site reports to be exported to disk on Ubuntu.	User interface