Release Notes CathexisVision 2016

Contents

Severity	� Critical	⚠ Major	Normal	Minor	Informational

Types	Modification	Feature (addition)	Problem (fix)	Bug (fix)	Removed

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/

Update Notices

1. From CathexisVision 2015 onwards NetBSD 3, and earlier releases of NetBSD, will not be supported.
2. Support for VOM2x10s will be discontinued in from CathexisVision 2016 onwards. CathexisVision 2016 will however be able to connect to and view cameras from wavelet cards on CathexisVision 2015 sites.
3. CathexisVision 2015 user interface will not be able to connect to CathexisVision 2016 and later.

1 Critical 2016.1 Feature changes

#	Severity	Type	Software Change	Key area
1	!	Feature	**Auto-discovery of Site Master.**	Site Management
2	!	Feature	**Only require a single camera license per multi headed camera,** Camera licensing has been modified so that a multi headed camera device only requires a single camera license. This is most applicable to panamorphic cameras or 180 or 360 degree cameras. Note: In order for this to work, the different logical cameras must have the same contact details (IP address) and have the same model and serial number.	Licensing
3	!	Deprecated	**Removed support for wavelet card analogue output monitor.**	Database
4	!	Deprecated	**Post search will not be available from 2016. This will be replaced in due course, by a full forensic search analysis tool**	Algorithms
5	!	Deprecated	**The multi-site tab will not be available from 2016. This will be replaced by a federated systems architecture in future versions.**	User interface
6	!	Deprecated	**CathexisVision 2016 Video wall will not be able to review from CathexisVision 2014 and earlier systems. This is a consequence of new features that have been incorporated in 2016.**	User interface
7	!	Deprecated	**The CathexisVision 2015 user interface will not be able to connect to CathexisVision 2016 sites** The addition of new features means that a CathexisVision 2015 user interface will not be able to connect to a CathexisVision 2016 or later site. However a CathexisVision 2016 user interface will still be able to connect to an older CathexisVision 2015 site.	Site management
8	!	Deprecated	**Deprecated Matrix Live/Review monitor type.**	External hardware
9	!	Deprecated	**Wavelet frame grabber cards (VOM2x10s) are no longer supported from CathexisVision 2016 onwards.**	Frame grabbers
10	!	Modification	**Removed 64-camera limit for API live.** Removed 64-camera (per unit) limit from the API start live request. This is a client-side ActiveX control update and this release of the API is required for connection to a CathexisVision 2016 system. The new API version is 4.114.	API

11	ⓘ	Fix	**Corrected a failure to record when system fails to initialise correctly on busy systems.**	Frame grabbers

2 Major 2016.1 Feature Changes

#	Severity	Type	Software Change	Key area
1.	⚠	Feature	**A complete replacement of the archive interface.** **Changes include:** • New archive format supporting multiple files within single archive file • Re-nameable archive files • Archiving to .car file format is not included in NetBSD units • Archive viewer no longer requires separate archives from different sources to be in independent folders • Added features to comply with the POPI act (personal information protection requiring modifications to allow further password protection, archive user information, watermark, etc. to be included in archives) • New export to mp4 media container facility with time-overlay support • Timeline support • New review controls to match 2015 CathexisVision user interface • Experimental direct-to-disc burn mechanism for Windows 7/8 (Nero no longer required) • Overlay support • Scheduled archive write/view support • Privacy zones • Old archive format support in new viewer	Archiving
2.	⚠	Feature	**Added Grundig camera integration.** This includes the following cameras: GCI-K1727V GCI-1779P GCI-1526T <u>Note</u>: Motion/Tamper detection notifications need to be configured on the camera.	Network devices
3.	⚠	Feature	**Added a privacy zone facility.**	Configuration
4.	⚠	Feature	**HTTP API privacy zone support.** The HTTP interface will not allow the generation of legacy archives of cameras containing privacy zones. This is to ensure that the privacy zone restriction is honoured.	Archiving

5.	⚠	Feature	**Updated license server with 2016 camera licenses.** • CLIC-1000 now provides a 2016 camera license. **Note:** This license will not work with 2014.2 and earlier. These older units will need to be upgraded to 2014.3 to support the new licenses. • CCVM-1003 now provides CCVM-2017 to CCVM-2019 licenses. • The demo product keys now include a 2016 CLIC-1000.	Licensing
6.	⚠	Feature	**Added Risco Alarm Panel integration.**	Integration
7.	⚠	Modification	**Database configuration changes for future proofing**	Database
8.	⚠	Modification	**Removed the 64 camera limit (per server) for Alarm gateway, alarm handling.**	Gateway
9.	⚠	Modification	**Changed YUV420D to RGB32 conversion to convert the full width of the pixels.** This prevents a black bar from appearing in images that did not have the correct pixel count before conversion.	User interface
10.	⚠	Modification	**Change the way servers are started** This reduces server startup times.	Industrialisation
11.	⚠	Fix	**Resolved an issue where audio playback was initially delayed for a few seconds.**	Database
12.	⚠	Fix	**Fixed a problem with SAM3104's stalling when reconfiguring them via the setup.**	Network devices
13.	⚠	Fix	**RTP parsing for Surveon Camera.** Corrected an issue with RTP parsing on the Surveon cameras that resulted in corrupt video.	Network devices
14.	⚠	Fix	**Deal with corrupt video frames which could cause a stall on an analytics feed.**	Frame grabbers

3 Normal 2016.1 Feature Changes

#	Severity:	Type	Software Change	Key area
1		Feature	**The database event list and video review has been updated.** The review now supports overlays, transcoding, and timeline.	Database
2		Feature	**Added the Stinger fence Control integration.**	Integration
3		Feature	**The video review from the integration database has been updated to use the new review.** The review now supports overlays, transcoding, and timeline.	Integration
4		Feature	**ESP3102 NVR implementation.** Added a driver to handle serial data send to, and from, the ESP3102. This is the new Cathexis Ethernet to serial port converter.	Network devices
5		Feature	**Restructured overlays to support integration devices** Video overlays on live and recorded video were previously only available for analytics. They can now be inserted for events on integration devices as well (if the device driver has been programmed to insert them).	User interface
6		Feature	**User interface changes to support shared camera licenses**	Licensing
7		Feature	**Added the facility to show the active-recording "dot" on vga server.**	Vga
8		Feature	**EIO3148 NVR implementation.** This driver handles communication between the EIO3148, a newly added Cathexis device, and the NVR. The EIO3148 has 8 inputs, and 4 outputs.	Network devices.
9		Feature	**Borderless video displays.** The option to remove the border between video panels has been added to the user interface.	User interface
10		Feature	**Present users with the option to select a port when adding a camera.** For all our **new** camera drivers (excluding the SAM3 and Test3D), The default is port 80.	Network devices

11		Feature	**Added minimum size filter to analytics.**	Alarms
			The size rejection allows objects smaller than a certain size to be ignored. This allows nuisance motion to be filtered out.	
			This setting can be found in the advanced pane of the analytics setup and, when enabled, allows the minimum width and height in metres to be configured. The maximum value for each of these settings is 1m, for more filtering options the object filters available per trigger in Analytics Level III should be used.	
			Warning: when connecting to older software versions (CathexisVision 2015/2014) the setting will still be presented but changing it will have no effect.	
12		Modification	**A soft camera limit on Windows/Linux has been set to 192 cameras per unit. This may be increased after consultation with Cathexis support, provided that the underlying hardware is able to deliver the performance required.**	Configuration
			This limit is intended to reduce (although it is not possible to eliminate) the inappropriate configuration of the CathexisVision software on underperforming hardware.	
13		Modification	**Failover database auto selection**	Failover
			If the original database that had been configured for failover re-insertion was deleted, then the data was discarded.	
			The system will now make a best guess of which database to use, if the original database has been deleted. If there are no databases, the video is then discarded.	
14		Modification	**Integration overlay and text stream overlay framework for futureproofing**	Integration
			This framework allows the system to be configured to present overlays sent to CathexisVision from integrated devices.	
15		Modification	**Added support for Spanish events on Impro IXP20.**	Integration

16		Modification	**Show legacy archive viewer with command line argument.** By default the legacy archive viewer will not be present from 2016 onwards. In order to see it in the GUI the user will have to add the following command line argument: `legacy_archive_viewer`	Archiving
17		Modification	**Clarified reporting of the communication channel going down/up in the Risco integration.**	Integration
18		Deprecated	**The site camera access rights configuration has been removed.** This was found under **Site menu -> setup -> camera access.** The new configuration process precludes the need for this feature.	Configuration
19		Fix	**Resolved an issue where the second stream on a Sunell camera would not stream, if the first one was not configured.**	Network devices
20		Fix	**Resolved an issue with timestamping Y8 frames from the 3D camera that would cause overlays to be unsynchronized.**	Network devices
21		Fix	**Re-authenticate with HTTP server if current authentication expires.**	Network devices
22		Fix	**Resolved an issue where CathexisVision would reboot the Panogenics camera when it reconnected, after losing connectivity to it.**	Network devices
23		Fix	**Removed IO support for Surveon cameras.** This was causing video stalls in CathexisVision. This is a limitation of the Surveon camera firmware.	Network devices
24		Fix	**Correctly handle TCP messages in Paxton driver.** Messages are now verified as complete, before processing.	Integration
25		Fix	**Resolved an issue which caused SoftCon to reject retransmit queries, which had the same sequence number.**	Integration
26		Fix	**Resolved an issue which prevented the Zoom on the Samsung V2 driver to work.**	Network devices
27		Fix	**Send audio in smaller chunks to Surveon.** Resolves an issue where audio didn't work when the audio data size exceeded 1000 bytes.	Network devices
28		Fix	**Warn user when attempting to apply a configuration backup when no backup is selected.**	Configuration

29		Fix	**Prevent Flexwatch driver from going into an infinite loop.** Resolved an issue with the Flexwatch integration which would overload the network server, and prevent other cameras from working.	Network devices
30		Problem	**Resolved a problem where JPEG-based archives would not work with the Cathexis virtual encoder.**	Virtual encoder

4 Minor 2016.1 Feature Changes

#	Severity:	Type	Software Change	Key area
1		Fix	**Enabled the zoom feature on the Dahua IPC-HFW5200.**	Network devices

5 Informational 2016.1 Feature Changes

#	Severity:	Type	Software Change	Key area
2		Feature	**Added failover warning and progress notifications to the user interface**	Failover
3		Modification	**Added some extra information about camera licenses in popup:** 1. show how many licenses are in use 2. show how many licenses are still available for use	Licensing
4		Modification	**Moved the database settings "Max days recording" and "Write policy" to an advanced tab in the create/modify database dialog.**	User interface
5		Modification	**Added a database summary to the database breakdown report.**	Profiling