



# CathexisVision 2020.3 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 2020 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 framegrabbers and SAM1000 encoders are not supported from CathexisVision 2016 onwards.
9. 2020 is the last release to support Ubuntu 12.04.
10. Windows 32 bit of CathexisVision will not be available from CathexisVision 2021.

## 1 Critical Changes for 2020.3

#	Key area	Software Change	Type
1.	Analytics	Object counter. Added occupancy dashboard to object counter.	Feature
2.	Analytics	Object tracker. Added the option to set the number of frames to discard the background for after a flare, and there is now a 'brightness change threshold' option to determine flares in the object tracker algorithm	Feature
3.	Analytics	VMD. There is now the option to use custom area from which to determine auto day/night change in Smart and Basic VMD.	Feature
4.	Alarm Management Gateway	Alarm Video. The following changes have been made to the alarm video: <ul style="list-style-type: none"><li>• Added 'quick close' buttons to alarm video window.</li><li>• Gateway alarms can now be escalated from the alarm video window</li></ul>	Modification
5.	General	Translation. Added Ukrainian translation to CathexisVision software.	Feature

## 2 Feature Changes for 2020.3

#	Key area	Software Change	Type
1.	CatObserver	CatObserver V2. Fixed size flickering with catObserver V2 driver for resolutions where width is not divisible by 8.	Fix
2.	core	2020 is the last release to support Ubuntu 12.04	Modification
3.	Core	OpenSSL. Fixed crash caused by OpenSSL when running on 10th generation Intel CPUs.	Fix
4.	Database	Database. Changed database startup parameters to reduce initialise time and prevent the database from overloading any 1 particular slice after a restart.	Fix
5.	Database	Video Ageing. The video ageing will now use more system resources in order to transcode more recordings.	modification
6.	Failover	Failover. Fixed failover recovery when on multiple ownership collision.	Fix
7.	Framegrabbers	Fixed issue where reference image download in the reference image window may fail for some image thumbnails on a slow connection.	Fix
8.	Gateway	Event summary. Increased event summary preview snapshots resolution from QCIF to CIF.	Modification
9.	Alarm Management Gateway	Gateway. The following modifications have been made to the gateway: <ul style="list-style-type: none"> <li>• A gateway viewer can now be configured to not open tabs when handling an alarm. This is done in Menu =&gt; Gateway =&gt; Settings =&gt; Open tabs.</li> <li>• Closing the video window will now close the alarm when handling an alarm on the gateway.</li> </ul>	Feature
10.	General	Sherlocks. Fixed retrieval of Sherlocks on Windows.	Fix
11.	Installation	Defender. Exceptions have been added to the Defender to ensure it runs smoothly on Microsoft.	Modification
12.	Integration	BACnet. The following modifications have been made to the BACnet integration: <ul style="list-style-type: none"> <li>• A list of options is now auto-populated for some message fields when configuring a system event trigger using the integration device event.</li> <li>• Fixed an issue communicating with devices on a separate BACnet network.</li> <li>• Added map event notifications to the integration</li> <li>• Fixed an issue with reading the object identifier, where the ID is a large number.</li> </ul>	Modification

#	Key area	Software Change	Type
13.	Integration	Herta. CathexisVision now integrates with Herta facial recognition.	Feature
14.	Integration	Illovo weighbridge (SASA). The Illovo weighbridge integration can now use TCP and RS232.	Feature
15.	Integration	Intrepid. Fixed an issue causing serial communication to fail on the Intrepid integration.	Fix
16.	Integration	Ipsotek. Resolved an issue with detecting alarms that are split across multiple TCP packets on the Ipsotek integration.	Fix
17.	Integration	ISS Integration. Added support for the "validContainer" field in the ISS integration.	Modification
18.	Integration	Nemtek. The following changes have been made to the Nemtek integration: <ul style="list-style-type: none"> <li>• Fixed an issue with the fence condition number being reported incorrectly.</li> <li>• Fixed a spelling mistake in the integration.</li> </ul>	Modification
19.	Integration	Repos POS. Fixed a bug when data is received from multiple serial ports at the same time on the Repos POS integration.	Fix
20.	Integration	RS2. The RS2 access control integration has been added.	Feature
21.	Integration	SouthWestMicrowave. Fixed a communication issue on the SWM integration when the device is connected with a serial port	Fix
22.	Integration	TDSi EXgarde. CathexisVision now integrates with TDSi EXgarde access control software.	Feature
23.	Integration	Woolworths POS V2. The time from the Woolworths POS integration is now treated as UTC time.	Modification
24.	Network Cameras	Bosch V2. Added H265 support to the Bosch V2 driver.	Modification
25.	Network Cameras	Camera connections. Updated openssl to 1.1.1 to fix encrypted camera connections.	Fix
26.	Network Cameras	Dahua. The thermal event and overlay have been modified for the Dahua DH-TPC-BF3221 camera. In the case of an event for a person over or under the targeted temperature, the bounding box provided is used to draw an overlay .	Feature
27.	Network cameras	Feed. Fixed potential live feed stall in the Enterprise UI and mobile test application when the source camera fails while the feed is active.	Fix
28.	Network Cameras	Mobotix. Fixed extraction of image resolution from JPEG data on stalled feeds using Mobotix cameras.	Fix
29.	Network cameras	Vaxtor. Added Vaxtor container recognition integration (Axis).	Fix
30.	Videowall	Videowall. Videowall display to PC monitor mapping is now independent of which monitor has been set as primary in Windows.	Modification