



CathexisVision 2019 Software Product Description and License Document

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1 Introduction

If you are reading this document, you are either already a Channel Partner of Cathexis, or are about to become one. We therefore welcome you to the family, and look forward to providing you with a world class product and service.

This document outlines the various software items and licenses, and how they are used to satisfy the requirements for your solution.

The software licensing model in CathexisVision 2018 has changed from the 2017 (and earlier) code releases. It has been our intention to make the license process simpler and easier for the user to accurately predict the licenses required for their installation, even when the hardware has not been finalised.

Appendix-1 describes the process to migrate from your legacy systems to the latest CathexisVision software.

2 CathexisVision Software Lifecycle

Cathexis Technologies releases new major version of the CathexisVision software on an annual basis. The software releases are named according to the year that they are in use, for example CathexisVision 2017. The major software versions are released at the start of the 3rd quarter of the preceding year, for example CathexisVision 2017 is released in the 3rd quarter of 2016. The current release is CathexisVision 2019.

A version of software is supported with software updates for the year of its release, and for the following calendar year. So, for example, CathexisVision 2017 is released in the 3rd quarter of 2016, and is supported for 2017 and 2018. The quarterly software updates will include any bug fixes, camera updates and some feature enhancements, at the discretion of Cathexis. As an example, were a camera to include a fundamentally new technology, such as a new compression algorithm, this camera will only be supported in the next major software release.

All software on a particular site is required to have the same major product version installed (e.g. CathexisVision 2017). A remote user may connect to an older version of software if the user is running the later software, but some features will be unavailable or non-functional.

This document does not exhaustively list all the licenses and features available. Since the product is continually evolving, new features and 3rd party integrations are being added with every release and sometimes with every quarterly update. For a complete list of currently available licenses please contact your Cathexis representative or consult the latest pricelist.

3 Base Software Variants

CathexisVision software is supplied in 4 variants. Releases prior to 2018 were licensed on a “per recording server” basis. This meant that one base server license was required for each recording server on the site together with a number of camera licenses.

The licensing model changed from CathexisVision 2018 and later. A single server license is required for a single site, no matter how many hardware servers are installed and connected to the same logical site. The installer is now able to change the hardware architecture to address changing/changed operational requirements (for example, the requirement for higher performance cameras or servers), without a change in the bill of materials for the software licenses and a consequent change in the price of the software.

The licenses for 3rd party integrations, excluding camera licenses, has not changed. Camera licenses are now determined by the variant of the product that is being installed. For example, a Premium site would require a single premium server license, and premium cameras licenses; whilst a Professional site requires a single professional server license and professional camera licenses.

The sections below indicate the software variants and their major features.

3.1 Trial License

Once CathexisVision is installed, a trial license is automatically applied to the system. Features of the trial license include:

- Two permanent IP camera licenses.
- Maximum recording review time of two days (48-hours).
- Standard CathexisVision basic analytics.

Trial licenses to unlock additional features may be requested by emailing support@cat.co.za. To license the system further, consult the relevant licensing sub-section.

3.2 Lite (CLTE-10xx)

CathexisVision Lite software bundles are intended to provide amazing value single server solutions, and include many of the features available in our flagship software products.

- Allows for a single server.
- Up to 48, 3rd Party IP cameras.
- A maximum of 48 cameras may be added.
- Up to 3 “simultaneous client viewers”. The client viewer includes anyone viewing cameras from the site via client software, web browser or mobile apps.
- Basic Event actions, including video recording, the control of outputs & integration devices and the ability to play a sound on an event.
- While we include the ability to send “technical alarms” to our alarm management capability, the user defined events cannot be transmitted.
- Includes a basic VMD algorithm included (intended for controlled lighting – indoors) with the option to purchase SmartVMD and other add on analytics.¹
- A number of Lite packages are available. For example:
 - CLITE-1024 has camera licenses for 24 cameras. It is possible to add further camera licenses (up to 48 in total) using the CCOR-1001 camera licenses.
- The Lite software is not upgradeable.

3.3 Core (CCOR-2001)

CathexisVision Core software is designed for a single server environment up to 48 cameras.

- A single server recording solution
- Allows up to 48 3rd party I.P cameras.
- A maximum of 48 cameras may be added
- Up to 7 “simultaneous client viewers”. The client viewer includes anyone viewing cameras from the site via client software, web browser or mobile apps.
- Includes the basic VMD algorithm included (intended for controlled lighting – indoors), with the option to purchase SmartVMD and other, more sophisticated analytics (Levels I, II or III).ⁱⁱ

3.4 Professional (CPRO-2001)

CathexisVision Professional software is designed for a multi-server site environment and allows up to 150 3rd party cameras:

- Allows up to 150 3rd party IP cameras.
- Allows up to 10 “simultaneous client viewers”. The client viewer includes anyone viewing cameras from the site via client software, web browser, or mobile apps.
- Includes Basic and SmartVMD, and allows the addition of more sophisticated analytics (Levels I, II or III).ⁱ
- The PRO software allows the addition of failover servers for IP camerasⁱⁱⁱ. This requires the purchase of a failover server, a failover server license and a number of failover camera licenses (dependent on how many failover cameras are required).

3.5 Premium (CPRM-2001)

Our Premium software is designed for large sites with unlimited cameras, and has unlimited client viewer capability. It provides you access to:

- All of the CathexisVision suite features and,
- Allows the addition of more sophisticated analytics (Levels I, II or III).ⁱ
- Allows for the addition of failover systems and licenses.ⁱⁱ
- Automatically includes a site failover base license – CFOR-2001.
- Automatically includes a site map license – the CMAP-2000 license (see below for further explanation).
- Automatically includes a video wall license – the CVGA-2001 license (see below for further explanation).

4 Camera Licenses

Cameras are licensed using a single camera license. So, each 3rd party IP camera on a site requires one of the following licenses -- dependent on the variant of software you are running. The camera licenses may be applied to any server on a site for the complete site, and are allocated to cameras as they are added.

The licenses have been listed in order of ascending price. It makes best economic sense to purchase the correct license for your specific package requirement.

License	Type	Details
CLTE packages.	Lite Software Package	All but one of these packages come with embedded camera licenses that are provided at a discount. Should additional licenses need to be added to the LITE package, then a CCOR-1001 license may be purchased up to a total of 48 cameras on a LITE system.
CCOR-1001	Core Camera License	These camera licenses may be used on Core software (CORE-2001) packages or on Lite (CLTE) packages.
CPRO-1001	Professional Camera License	These camera licenses may be used on Professional (CPRO-2001), Core (CCOR-2001) or Lite (CLTE) packages.
CPRM-1001	Premium Camera License	These camera licenses may be used on Premium (CPRM-2001), Professional (CPRO-2001), Core (CCOR-2001) or Lite (CLTE) packages.
CLIC-2000 cameras	Historical IP camera license	These are historical IP camera licenses and were used with CathexisVision 2017 and software releases prior to this. These are equivalent to CPRM-1001 licenses and may be used on any of the packages listed, but (for new IP camera license purchases) it is more cost effective to purchase the correct IP license for the site

Note:

1. Multi-headed cameras and cameras with multiple channels require only a single IP license.
2. The CatObserver monitor recording feature allows the recording of any monitor connected to any Windows server on the network, as if it were a network camera. One camera license is required.

5 Add-on Feature Licenses

The CathexisVision suite provides several add-on licenses to enhance your product. These include:

5.1 Map Licenses (CMAP-2000/3000)

Two map license variants are available:

5.1.1 *Site Map License (CMAP-2000)*

This license enables interactive, hierarchical maps to be added to a site and allows ANY connecting client to view and interact with the map. This is most cost effective when there are numerous clients connecting to a site. This license is automatically included in the purchase of the Premium package (the CPRM-2001).

5.1.2 *Client Map License (CMAP-3000)*

This license enables clients to use maps for sites that do not have a site map license. This license is applied to the viewer software and is used by the viewer to connect to any site that does not have a site map license. This is more cost-effective for installations where there are lots of geographically dispersed sites that will have a limited number of client connections or viewers connecting to the sites.

5.2 Video Wall Licenses (CVGA-2001)

In 2017 and prior software releases, video wall licenses were applied on a “per-monitor” basis. This changed in 2018.

The CVGA-2001 license can be applied to any recording server on the site and enables any number of video wall monitors.

Note: The Video Wall software will only function in conjunction with a base software license.

5.3 Failover licenses (CFOR-2001 and CFOR-1001)

Failover was introduced into CathexisVision 2016, and from CathexisVision 2018, failover is included automatically in any Premium site purchased.

In CathexisVision 2019 (and 2018) Professional sites, a failover base license is required (CFOR-2001) and a failover camera license is required for each camera on the site. These licenses need to be purchased in addition to the Professional software license.

CathexisVision 2016 and 2017 Premium sites need to purchase the failover licenses in addition to their existing licenses (as for the CathexisVision 2018 and later Professional site).

6 Integration Licenses

The CathexisVision software may integrate with various 3rd party systems (such as Access Control, Point-Of-Sale, Alarm Panels, Weighbridges, Logistics scanning systems and many others). There are some generic licenses available for particular categories of 3rd party equipment (for example Access control), but there are also specific licenses for unique integrations.

6.1 Integration License Models

Typically, a 3rd party product is licensed using one of two models:

Model Type	Details
Single License Model	There is a single license for the integration (for example the CALM-2000 that integrates with an alarm panel), and there is no dependency on the number of devices that compose the 3 rd party product.
Base License Model	The more common license model is where there is a base license and a per device license. For example, the CPOS-2000 (base point of sale license) and the CPOS-1001 (per point of sale license). This allows for a scalable pricing solution which makes the integration affordable for both small and large installations. In the point of sale example, a base license is required for every installation, but then the number of device licenses is dependent on the number of installed point of sale systems.

6.2 Supported Integration Systems

The list of integrated 3rd party products is continually expanding and only some of the more common integrations are listed below. Both the number of products in the categories below, and the categories of integration are continually increasing.

For a comprehensive list of available integrations, please contact support@cat.co.za or view the Cathexis Integrations web page: <http://www.cathexisintegrations.com/supported-integrations/>

The following categories of systems are supported with our 3rd party integrations.

1. 3rd party analytics.
2. Access control systems:
 - a. ACT4000,
 - b. IMPRO IXP20, IXP220, IXP400,
 - c. IMPRO Portal Lite and PRO solutions,
 - d. Honeywell ProWatch,
 - e. Lenel,
 - f. Salto.
3. Alarm panels:
 - a. Caddx NX8E,
 - b. Cosmos, DSCT IT100 based,
 - c. FSK Multi decoder 1,
 - d. Galaxy G series, Paradox EVO192,
 - e. Risco Lightsys,
 - f. Texecom Premier 832, Premier 412 and Elite 168.
4. Elevators & Escalators:
 - a. Otis

5. Fence management systems:
 - a. Future Fibre Technologies,
 - b. Gallagher,
 - c. Moduteq,
 - d. Nemtek,
 - e. Optex Redwall,
 - f. OptaSense,
 - g. Senstar,
 - h. Southwest Microwave,
 - i. Stinger.
6. Fire panels:
 - a. Technoswitch, Technoswitch TEC202,
 - b. Ziton ZP2, Ziton ZP3.
7. General I/O solutions:
 - a. Genesis Wireless PIR,
 - b. Quido,
 - c. Interceptor PRO,
 - d. Cathexis EIO.
8. Automatic Number Plate Recognition.
9. Miscellaneous:
 - a. InMotion Metal Detectors.
10. Money counters:
 - a. Talaris Ntegra,
 - b. Julong.
11. Parking solutions:
 - a. Zeag
12. Point of sale: these are generally customised for the particular retail client.
13. Weighbridge solutions.

7 Alarm Management Licenses

The Cathexis alarm Gateway provides an extremely comprehensive multi-user alarm management capability for on-site, or multi-site, management of events or alarms.

7.1 Alarm Management Gateway Server License (CAMG-1000)

This license enables the Alarm Management Gateway on the CathexisVision software and database for a site or a control room environment. Typically, only one of these licenses is needed for a control room to manage alarms for an unlimited number of servers, cameras, or remote sites. The CAMG-1000 license comes bundled with a CathexisVision Professional Site license.

This software will create a unique database for the management and reporting of alarms, and user actions, and should be applied to any server on which the alarm database is to reside.

7.2 Alarm Client License (CBAS-7100)

This is the license required for each client or operator who is connecting to the Alarm Gateway.

Note: Clients who are viewing the site but not connecting to the gateway do not require this license. This license should be applied to the client machine. A client map license (CMAP-3000) is included with the purchase of a CBAS-7100 license.

8 Maintenance Licenses/Camera Version Migration Licenses

CathexisVision maintenance licenses ensure that a site is always up to date with regards to the latest features, and capabilities. Cathexis releases new software, with major feature additions, once per annum. If, for example, CathexisVision 2017 is purchased, the client is entitled to any update packs that are made available for CathexisVision 2017 including extra devices that are added to software (such as cameras & 3rd party integration devices) and bug fixes. These update packs are generated quarterly in the year of release (so for 2017 for CathexisVision 2017), and for the succeeding calendar year.

A maintenance license (purchased at a nominal cost) allows migration to the next release of software, with all the additional features that will be available in the new software release.

8.1 CathexisVision 2018 and Later

From CathexisVision 2018, the year-based migration license has been replaced with the CCVM-1001, which can be applied to any year. If the software is to be upgraded from 2017 to 2019, then two of these CCVM-1001 migration licenses are required per camera.

If CathexisVision 2017 has been purchased, and new camera licenses purchased during succeeding years (2018 or later), these new cameras do not require a camera migration license should the system software be upgraded to CathexisVision 2018. This reduces the overall cost of ownership of the CathexisVision software range.

This licensing system ensures that the maintenance costs are equitably priced. These “camera version migration licenses” (CCVM-1001s) may be applied to the master unit on the site, and shared across the entire site. Camera version migration are covered in more detail in the user manual.

8.2 Historical (pre-2018)

From CathexisVision 2015 up until 2018, the maintenance licenses are applied on a per camera basis and a per year basis. For example, a camera migration license to allow the upgrade from CathexisVision 2015 to CathexisVision 2016 would be CCVM-2016, and one of these would be required for each IP camera.

9 License Transfer Conditions

Please note the following policy conditions for transferring licenses.

1. A license may be transferred from one hardware platform to another hardware platform within the same site, within 12 months of purchasing the license. This is limited to 1 transfer per purchase.
2. If the server is in maintenance (i.e., it has valid and up-to-date camera version migration licenses for all cameras on the server/site), the licenses may be transferred to another system for the duration of the valid maintenance/camera version migration license. This is limited to 1 transfer of licenses per year.
3. If a server is out of warranty but has a Cathexis IO card, the licenses reside with the card, and the card can be installed in the new system and the licenses updated from the license server. This applies to the Linux systems only.¹
4. If licenses need to be transferred because of a hardware failure, and the site does not have valid maintenance licenses, maintenance licenses need to be purchased before the transfer may take place.
5. If a new hardware platform is installed that requires different licenses (not those originally purchased), then these must be purchased separately. The old licenses are no longer transferable or valid.
6. Transfers are performed on request via email to support@cat.co.za.
7. Cathexis may request the completion of a license transfer request form.
8. Cathexis may decline the transfer of a license without disclosing the reasons for doing so.

ⁱ Enhanced analytics has been added in CathexisVision 2015.

ⁱⁱ Failover has been added in CathexisVision 2015.

¹ Only available where Cathexis Hardware is sold. Please check with your regional representative.

APPENDIX 1 Migrating Legacy sites

Migrating your existing 5041 & 5042 Cathexis Surveillance site to CathexisVision 2014 & 2015.

CathexisVision is Cathexis' new surveillance software package. CathexisVision provides a new configuration, and operating interface for the Cathexis software & hardware surveillance portfolio. Cathexis has focussed on making the system easy and quick to configure. CathexisVision also supports a large number of new IP cameras, and new integrations to 3rd party devices.

CathexisVision has been designed to run on older Cathexis hardware for hardware backwards compatibility, and allows the user to extract continued value from older hardware. However, all systems connected together in a site need to be migrated to the same CathexisVision platform in order for the site to function properly. The hardware also needs to meet some minimum performance requirements in order to support the new software platform.

Please would you contact Cathexis support on support@cat.co.za in order for Cathexis to assist you in planning the migration of your legacy site.

Disclaimer Notes:

- While Cathexis has made every effort to ensure accuracy of this document, there is no guarantee of accuracy, neither explicit nor implied.
- Specifications and conditions are subject to change without notice.
- Please review the Cathexis web site for the latest information on camera & 3rd party device integrations.