Software Product Description and License Document CathexisVision 2016

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 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.

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

Appendix-2 lists the licenses that may be purchased to achieve the functionality required.

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1 CathexisVision software lifecycle

Cathexis Technologies releases new major software releases on an annual basis. The software releases are named according to the year that they are in use (for example CathexisVision 2014). The major software versions are released in the 3rd quarter of the preceding year, for example CathexisVision 2015 is released in the 3rd quarter of 2014. The current release is CathexisVision 2016.

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 2015 is release in the 3rd quarter of 2014, and is supported for 2015 and 2016. 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, should have the same major product version installed (e.g. CathexisVision 2015) & different product versions on the same site (for example CathexisVision 2014 & CathexisVision 2015) may produce undefined behaviour, primarily because of the additional features in the later software version. 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 are being added with every release and sometimes with every quarterly update. For a complete list of currently available licenses please would you contact your Cathexis representative or consult the latest pricelist.

2 Base Software Variants

Our software is supplied in 5 variants, and is licensed on a "per recording server" basis. This means that you will need one of these base licenses for each recording server on your site. All that is required are these licenses on each server, and the number of camera licenses relating to the number of cameras on your site.

The software variants are:

a. Lite (CLITE-10xx)

Our 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 24, 3rd Party I.P cameras.
- 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.
- The Lite software is not upgradeable.
- You can add camera licenses to a maximum of 24 cameras.
- The Lite package comes with a basic VMD algorithm included (intended for controlled lighting – indoors); with the option to purchase SmartVMD and other add on analytics.[i]

b. Core (CCOR-2000)

Our Core software is designed for a single server environment, and up to 36 cameras:

- A single server recording solution
- Allows up to 36 3rd party I.P cameras.
- Allows up to 7 "simultaneous client viewers". The client viewer includes anyone viewing cameras from the site via client software, web browser or mobile apps.
- You can add camera licenses to a maximum of 36 cameras.
- The Core package comes with a basic VMD algorithm included (intended for controlled lighting – indoors), with the option to purchase SmartVMD and other add on analytics more sophisticated analytics (Levels I, II or III)[i.]

c. Professional (CPRO-2000)

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

- Allows up to 150 3rd party I.P 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.
- The PRO software comes with basic & 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 cameras[ii]. 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).

d. Analogue Professional (CANG-2000)[1]

This software license is provided to allow for cost effective inclusion of Linux based, analogue hardware systems, into a CathexisVision Professional site:
- Allows the Linux analogue DVRs to connect to a CathexisVision professional site.
- IP cameras are not permitted on this unit.
- More cost effective than a standard CathexisVision professional license.
- The Analogue Pro software comes with basic & SmartVMD, and allows the addition of more sophisticated analytics (Levels I, II or III)[i].

e. Premium (CPRM-2000)

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 & licenses[ii].

f. Upgrade Licenses (CUPG – 1000/2000/3000)

You may upgrade your Base Licenses from Core to Professional, or from Professional to Premium, or from Analogue to Professional at any time. These are applicable on a per-recording server basis, and our license structure ensures that you do NOT have to upgrade your camera licenses, as they are common across all platforms. The CUPG-3000 license allows the analogue professional unit to be upgraded to a standard Professional unit (which then supports IP cameras).

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[1] Please check to see whether analogue hardware & licenses are available in your market.

3 Camera Licenses (CLIC-2000)

Our camera licenses are used on a license per camera basis. So each 3rd party IP camera on your site will require a CLIC-2000 license. (Multi headed cameras and cameras with multiple channels require only a single IP license).

Our CatObserver monitor recording feature (that allows you to record any monitor connected to any Windows server on the network, as if it were a network camera) uses one CLIC-2000 license.

The camera licenses can be applied to any server on site for the complete site, and are allocated to cameras as they are added. The same camera license works on our Lite, Core, Professional, or Premium software obviating the requirement to purchase multiple grades of camera licenses.

4 Add on Feature Licenses

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

a. Map Licenses (CMAP-2000/3000)

We provide two variants of map licences in order to provide the most cost effective solution.

Site Map License (CMAP-2000)

This license enables you to add interactive, hierarchical maps to your site which enables ANY client connecting to your site to view, and interact with, the map.

Client Map License (CMAP-3000)

This license enables clients to use maps for sites that do not have a site map license. This is more cost-effective for sites that will have a limited number of client connections or viewers.

b. Video Wall Licenses (CVGA-2000)

Our video wall licenses are applied on a "per-monitor" basis to enable you to scale our video wall according to your requirements. The license can be applied to any recording server on your site, but is normally applied to the "site master".

c. Multi-Site viewer license (CMUL-2000)

The Multi-Site user interface, allows you to connect to many different sites at the same time, and view the cameras on the same display. This is particularly useful if you are monitoring multiple remote sites simultaneously and need just one or two cameras from each site. This license may be applied to the viewing system, and is an enhancement license to all of the packages.

d. Linux DVR enabler license (CDVR-1000)

The DVR Enabler license is required to allow a CathexisVision Linux unit to run as a DVR. A DVR will also require a watchdog I/O Card, which may be sourced from your Cathexis supplier.

5 Integration Licenses

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

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.

The reader is urged to review the Cathexis Integration web site, for a comprehensive list of the integrations available: http://www.cathexisintegrations.com/supported-integrations/

a. Access Control Licenses

Access control "device" license (CACC – 2000)

This license is the "base" license to integrate with an access control system. It is applied to the server to which the access control device is connected.

Access control "door" license (CACC – 1001 and 1008)

These licenses apply to the doors or nodes in an access control system. The CACC-1001 is for each door, and the CACC – 1008 is a discounted license for 8 doors.

Access control "bundle" license (CACC – 3000)

This license includes the device license (CACC-2000) and enables an unlimited number of doors to be added to the system.

b. Alarm Panel integration (CALM-2000)

The alarm panel integration licenses allow CathexisVision to integrate with a range of different alarm panels. Information is fed from the alarm panel and allows the system to perform all manner of actions based on the partition or zone state.

Some panels permit bidirectional control of the panel, so the user is permitted to arm/disarm the panel and bypass zones, dependent on the capability and functionality of the alarm panel API.

c. License Plate Recognition

CathexisVision integrates with a number of license plate recognition solutions. These solutions are provided as external integrations from which CathexisVision derives data (i.e. recognized plates) via a data feed or integrated solutions in which Cathexis has used recognized LPR solutions to provide on board plate recognition.

d. Point of Sale Licenses

POS device license (CPOS – 2000)

This POS device license is required for the integration of a point of sale system. A number of till licenses (CPOS-1001) are then needed to complete the integration licensing.

POS single till license (CPOS – 1001)

This is a single till POS license that may be bought individually, to add to an existing POS installation. A POS device license (CPOS-2000) is required before till licenses may be added. The number of these licenses is determined by the number of POS tills in the store.

POS 10 till license (CPOS – 1010)

This is a bundle of 10 POS till licenses that may be bought, to add to an existing POS installation. A POS device license (CPOS-2000) is required before till licenses may be added.

POS device bundle license (CPOS – 3000)

This is a bundle of the POS device license (CPOS-2000), and an unlimited number of POS till licenses (CPOS-1001). This license is intended for, and is cost effective in, large stores with lots of POS tills.

e. Weighbridge licenses

Weighbridge device license (CWBG-2000)

This weighbridge device license is required for the integration of a weighbridge system. A number of individual weighbridge licenses then need to be added to the systems to complete the integration licensing.

Single Weighbridge license (CWBG-1001)

This is a single weighbridge license that may be bought to add to an existing weighbridge installation. A CWBG-2000 license is required before any weighbridge licenses may be added.

Weighbridge bundle license (CWBG-3000)

This has the weighbridge device license and an unlimited number of weighbridge licenses in a single package for a site.

f. Streaming file devices (CDEV-2000)

Streaming files allow for 3rd party devices to trigger the CathexisVision software. These are mainly legacy devices that have been integrated in the past, and generally Cathexis will write custom device drivers for new integrations. Any streaming files that are needed to run with the CathexisVision suite must be verified, and digitally signed, by Cathexis before they will work with the CathexisVision suite. The NVR needs to have a CDEV-2000 license for this device.

6 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.

a. Alarm Gateway Server License (CAMG-1000)

This license includes the software and database for a site, or for a control room environment. Typically, you would only need one of these licenses for a control room to manage alarms for an unlimited number of servers, cameras, or remote sites. The CAMG-1000 license comes bundled with CPRO-2000.

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.

b. 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. When you purchase the the CBAS-7100 you get a free client map license (CMAP-3000).

7 Maintenance Licenses/Camera version migration licenses

Our maintenance licenses are there to ensure that you are always up to date with regards to the latest features, and capabilities, of our software. Cathexis releases new software, with major feature additions, once per annum. If, for example, you purchase CathexisVision 2014, you will be entitled to any update packs that are made available for CathexisVision 2014 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 2014 for CathexisVision 2014), and for the succeeding calendar year.

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

In CathexisVision 2015 the maintenance licenses are applied on a per camera basis, which will ensure that the maintenance costs are equitably priced, when systems are not fully populated with cameras. These "camera version migration licenses" (CCVM-2015) may be applied to the master unit on the site, and shared across the entire site. Camera version migration licenses will be covered more comprehensively in the manual for CathexisVision 2015.

As an example, in order to migrate from CathexisVision 2015 to CathexisVision 2016, a CCVM-2016 license is required for each 3rd party IP camera on the site. Any new camera licenses purchased during 2016 do not require a camera migration license however, and can be added to a CathexisVision 2016 system directly. This reduces the overall cost of ownership of the CathexisVision software range.

8 License Transfer Conditions

Please note the following transfer policy for licenses:

- A license may be transferred from one hardware platform to another hardware platform, within 12 months of purchasing the license. This is limited to 1 transfer per purchase.
- If the server has valid camera version migration licenses (CathexisVision 2015), 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 per maintenance license.
- 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.[2]
- If a system is out of warranty and the licenses need to be transferred because of a hardware failure, maintenance licenses need to be purchased.
- If a system is out of warranty and a new hardware platform is installed, that requires different licenses then these must be purchased. The old licenses are no longer usable.
- Transfers are performed on request via email to support@cat.co.za.
- Cathexis may request the completion of a license transfer request form.
- Cathexis may decline the transfer of a license without disclosing the reasons for doing so.

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[2] 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.

APPENDIX 2 CathexisVision Licensing

Please note that this is an abbreviated list of products for sale. For a comprehensive list with the latest pricing, please would you consult your latest CathexisVision pricelist.

Description	Code	Description
Video Recording and Management Software		
CathexisVision CORE I.P Video Management Suite	CCOR-2000	**CORE** Recording and Video Management Software. Max 36 cams. 1 Server, 7 Viewing Clients
CathexisVision Analogue only Video Management Suite	CANG-2000	**Analogue Professional:** Recording and Video Management Software. Integrates with a professional site, but does not allow IP cameras to be connected to this server. Price is per recording server
CathexisVision PROFESSIONAL I.P Video Management Suite	CPRO-2000	**Professional** Recording and Video Management Software. Max 150 cams per site. 10 Simultaneous Viewing Clients. Price is per recording server
CathexisVision PREMIUM I.P Video Management Suite	CPRM-2000	**Premium** Recording and Video Management Software. Unlimited site cams. Unlimited Viewing Clients. Price is per recording server
CathexisVision Linux DVR Enabler	CDVR-1000	Required for each analogue, Linux server
CathexisVision Camera License	CLIC-2000	Applied per camera added to systems with the Core, Professional or Premium packages
Package Deals		
CatLite-1000	CLTE-1000	Lite software without camera licenses. Limited to a single server. Additional CLIC-2000 licenses can be added. 3 Viewing clients
CatLite-1004	CLTE-1004	Lite software including 4 cameras licenses. Limited to a single server. Additional CLIC-2000 licenses can be added. 3 Viewing clients
CatLite-1008	CLTE-1008	Lite software including 8 cameras licenses. Limited to a single server. Additional CLIC-2000 licenses can be added. 3 Viewing clients
CatLite-1012	CLTE-1012	Lite software including 12 cameras licenses. Limited to a single server. Additional CLIC-2000 licenses can be added. 3 Viewing clients
CatLite-1016	CLTE-1016	Lite software including 16 cameras licenses. Limited to a single server. Additional CLIC-2000 licenses can be added. 3 Viewing Clients
CatLite-1024	CLTE-1024	Lite software including 24 cameras licenses. Limited to a single server. Additional CLIC-2000 licenses can be added. 3 Viewing Clients

Enhancement Licenses		
Virtual Matrix server licenses/monitor	CVGA-2000	One license required per Virtual Matrix Monitor
Site Map license	CMAP-2000	Required if you want anyone connecting to the site to have map access. - not required if you have a map client license
Map client licenses	CMAP-3000	Required to enable clients to view maps when connecting to a site that does not have a site Map license
Cat Counter /channel	CCNT-2000	Object counter per channel license
Additional viewer licenses	CVWR-6100	Only two additional can be purchased for Core and Professional packages
Alarm centre software/client software/license	CBAS-7100	CatBase. Enables clients to connect to an Alarm Gateway & includes client map license
Alarm management gateway s/w	CAMG-1000	Software for alarm gateway
Multi-site client viewer license	CMUL-2000	Enables the simultaneous viewing of cams form multiple sites on the same monitor
Failover server base license	CFOR-2000	Failover server base license. Required for a failover server (in place of a CPRM license)
Failover server camera licenses (per camera)	CFOR-1001	Failover server camera licenses. Requires the installation of a CFOR-2000 (server base license) before the camera licenses can be added. Camera licenses will be shared equally amongst all failover servers
Analytics Licenses		
Analytics Level 1 license	CANA-1001	This feature is offered on a per camera/channel basis. The license is site based and can be added to any server on a site and used by any camera on the same site. The detailed capability matrix is shown below
Analytics Level 2 license	CANA-2001	This feature is offered on a per camera/channel basis. The license is site based and can be added to any server on a site and used by any camera on the same site. The detailed capability matrix is shown below. Analytics level 2 includes all the analytics available for analytics level 1 as well.
Analytics Level 3 license	CANA-3001	This feature is offered on a per camera/channel basis. The license is site based and can be added to any server on a site and used by any camera on the same site. The detailed capability matrix is shown below. Analytics level 3 includes all the analytics for level 1 & 2 as well
Ipsotek integration base license	CIPS-2000	Ipsotek base analytics integration license
Ipsotek integration per channel license	CIPS-1001	Ipsotek integration per channel license

Upgrade Licenses		
Upgrade from Core to Professional	CUPG-1000	Upgrade from CathexisVision core to CathexisVision Professional (per recording server)
Upgrade from Professional to Premium	CUPG-2000	Upgrade from CathexisVision Professional to CathexisVision Premium (per recording server)
Upgrade from Analogue to Professional unit	CUPG-3000	Upgrade from the CathexisVision analogue unit to the CathexisVision Professional unit (per recording server)
Integration Licenses		
Access control integration license	CACC-2000	Access control Device license
Access control door license	CACC-1001	Access control door license
Access control 8 door license	CACC-1008	Access control 8 door license
Access control device bundle license (unlimited doors)	CACC-3000	Access control device bundle license (unlimited doors)
Impro IXP20 access control device license	CIXP-1000	Impro IXP20 access control device license
Impro IXP20 access control single door license	CIXP-1001	Impro IXP20 access control single door license
Impro IXP20 access control 8 door license	CIXP-1008	Impro IXP20 access control 8 door license
Impro IXP20 access control with 8 door licenses	CIXP-1100	Impro IXP20 access control bundle with 8 door licenses
POS Integration base license	CPOS-2000	POS integration base licanse
POS Integration channel license	CPOS-1001	POS integration license per channel
POS integration 10 till license	CPOS-1010	POS integration 10 till license
POS device bundle license (unlimited tills)	CPOS-3000	POS device bundle license (unlimited doors)
Alarm panel integration license	CALM-2000	Alarm panel integration (per device)
Firepanel integration license	CFPL-2000	Firepanel integration (per site)
License Plate system base license (parking)	CNPR-1000	License Plate system device license - includes a parking dongle
License Plate single lane licenses (parking)	CNPR-1001	License Plate single lane licenses
License Plate system base license (freeflow)	CNPR-2000	License Plate system device license - includes a freeflow dongle
License Plate single lane licenses (freeflow)	CNPR-2001	License Plate single lane licenses
Future Fibre Technologies Fence monitoring system integration license	CFFT-2000	Future Fibre Technologies Fence monitoring system integration license
Generic streaming data license per device	CSTR-2000	Generic streaming data license per device
Integration license for 3rd party systems not covered by standard categories	CDEV-2000	Specific integration licenses that fall outside of the standard list
Genesis Wireless PIR license	CGEN-1000	Genesis wireless IP device, one license required per device
Weighbridge system device license	CWBG-2000	Weighbridge system license (base license required for any weighbridge)

Single Weighbridge license	CWBG-1001	Single Weighbridge license (requires Weighbridge system license CWBG-2000)
Maintenance Licenses		
Cathexis Version Migration license	CCVM-2015	Upgrade to next version (2015 to 2016) Applied on a per IP camera basis
Cathexis Version Migration license	CCVM-2016	Upgrade to next version (2016 to 2017) Applied on a per IP camera basis
Cathexis Version Migration license	CCVM-2017	Upgrade to next version (2017 to 2018) Applied on a per IP camera basis
Three year Cathexis Version Migration license	CCVM-1003	3 year version migration license.
Counting Subsystem Licenses		
Counter license (priced for each counter)	CCNT-1001	This is the cost for a counter, whether the information fed into this counter is from a PIR, or a camera, or an input device. Any number of these counters may be purchased. One license is required per counter. The basic reporting engine license (CCNT-2000) must also be purchased.
Base counting license	CCNT-2000	This is the cost of the basic reporting engine. One of these licenses must be purchased. This license, and at least one CCNT-1001 license, is a minimum requirement for a counting system.
3D Counting camera	C3D-1001	3D counting camera, also requires the purchase of C3D-2001, the 3D counting interface module
3D Counting interface module	C3D-2001	3D counting interface module - one interface module is required per 3d counting camera.
Enterprise site reporting	CCNT-3000	Enterprise reporting (collates multiple sites in single enterprise wide reports). These quotes are done on application only. This is a site wide reporting service, managed by Cathexis.

[i] Enhanced analytics has been added in CathexisVision 2015
[ii] Failover has been added in CathexisVision 2015