CathexisVision 2023

Product Description and Licensing

Contents

1. Introduction

This document outlines the various CathexisVision 2023 software package options and licenses.

1.1 Supported Operating Systems

Supported operating systems apply to all contents of CathexisVision software installation, including:

1. CathexisVision software,
2. Map Editor,
3. Archive Viewer.

1.1.1 Not Supported

- Windows XP and earlier,
- Windows Vista,
- Windows Server 2008,
- Windows 7 (supported in CathexisVision 2021 and earlier),
- Windows 8 (supported in CathexisVision 2021 and earlier),
- Linux Fedora 16 (supported in CathexisVision 2018 and earlier),
- NetBSD.

1.1.2 Supported Linux Systems

- Ubuntu 16.04 LTS Desktop (64-bit)
- Ubuntu 20.04 LTS Desktop (64-bit)

1.1.3 Supported Windows Systems

- Microsoft® Windows® 10
- Microsoft® Windows® Server 2012
- Microsoft® Windows® Server 2012 R2
- Microsoft® Windows® Server 2016
- Microsoft® Windows® Server 2019
- Microsoft® Windows® 11
- Microsoft® Windows® Server 2022

Note: CathexisVision 2021 is the last release to support Windows 32-bit installations. For guidelines on converting 32-bit software to 64-bit, see the document ***Converting 32-bit Software to 64-bit App-note***.

*CathexisVision 2021 is the last release to support Windows 7, Windows 8, Windows 8.1 and Windows Server 2008 R2.

A NOTE ON CAMERA CHANNELS

The CathexisVision software packages have **limits on camera channels**. A multi-sensor camera is physically a single device (camera) but it requires a camera channel for each one of the internal cameras. The same applies to an encoder: a 16-channel encoder will account for 16 camera channels on the CathexisVision software, even though it is a single device.

- 👁 Even when a camera or device only uses a single IP license, the camera channel limit will still apply.

- 👁 An analytics license will still be required for each camera channel.

USEFUL LINKS

*To view **tutorial videos** on CathexisVision setup, visit* https://cathexisvideo.com/resources/videos

*Find answers to Cathexis **Frequently Asked Questions***: https://cathexis.crisp.help/en/?1557129162258

2. CathexisVision Software Lifecycle

Cathexis Technologies releases a new major version of the CathexisVision software annually. The software releases are named in years, sequentially (for example, CathexisVision 2017).

The major software versions can be released from the third quarter of the preceding calendar year (for example, CathexisVision 2017 being released in the third quarter of 2016).

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

Please note the following regarding product interoperability and support:

2.1 Product Interoperability

- All servers on a site should have the same product version installed (for example, CathexisVision 2022). Different product versions on the same site are not supported.

- The CathexisVision user interface (Server or Client) will be able to connect to and view software running any service pack of the same version.

- The intention is for the user interface to be able to connect to a product one version earlier (such as CathexisVision 2017 connecting to CathexisVision 2016) but some features may not be available.

- The user interface may be able to connect to and view earlier products (2 or more versions earlier), but there are no guarantees – some or all features may not be functional.

- **Note**: **CathexisVision 2023** can only **connect** to sites running **CathexisVision 2019 and above**.

2.2 Product Support

- A product/software version will be supported with software updates until the end of the next calendar year. For example, CathexisVision 2020 (released in the third quarter of 2019) will be supported until December 2021 (in 2020 and 2021).

- Product support during the first year will include periodic software service packs, containing bug fixes, minor features, and additional integrations and camera drivers.

- Product support during the second year will include periodic service packs, containing critical bug fixes and additional integrations and updates to camera drivers.

3. Base Software Variants

CathexisVision software is supplied in 4 variants.

License	Type	Details
CLTE-10xx	Lite	CathexisVision Lite bundles are intended to provide cost-effective single server solutions, and include many of the features available in our flagship software products. **Note**: Lite software is **not** upgradeable.
CCOR-2001	Core	CathexisVision Core software is designed for a single server environment up to 48 camera channels.
CPRO-2001	Professional	CathexisVision Professional software is designed for a multi-server site environment and allows up to 150 camera channels.
CPRM-2001	Premium	Our Premium software is designed for large sites with unlimited camera channels, and has unlimited client viewer capability.

- **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 can change the hardware architecture to address changing 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.
- **Camera licenses are 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.

Note: Releases prior to CathexisVision 2018 were licensed on a "per recording server" basis. One base server license was required for each recording server on the site together with 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@cathexisvideo.com. To license the system further, consult the relevant licensing sub-section.

3.2 Lite (CLTE-10xx)

- Allows for a single server.

- Up to 48 camera channels.

- 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.

- Several 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.

3.3 Core (CCOR-2001)

- A single server recording solution

- Allows up to 48 camera channels.

- 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).

3.4 Professional (CPRO-2001)

- Allows up to 150 camera channels.

- 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).

- The PRO software allows the addition of failover servers for IP cameras[i]. 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)

- Access to all of the CathexisVision suite features

- Allows addition of more sophisticated analytics (I, II or III).

- **Note**: From CathexisVision 2023, Premium sites do not require per-camera failover licenses (CFOR-1001).

- Automatically includes: Failover base license (CFOR-2001); Site map license (CMAP-2000); Video wall license (CVGA-2001)

4. Camera Licenses

Cameras are licensed using a single camera license. Each third-party IP camera on a site requires one of the following licenses, depending on the variant of software you are running.

Camera licenses may be applied to any server on a site for the complete site. As cameras are added to the site, camera licenses are allocated to the cameras automatically.

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

License	Type	Details
CLTE packages	Lite Software Package	• Discounted license bundles are available for the Lite package. • 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 • 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 historical IP camera licenses were used with CathexisVision 2017 and prior software releases. • These are equivalent to CPRM-1001 licenses and may be used on any of the packages listed. • However, for new IP camera license purchases it is more cost effective to purchase the correct IP license for the site.

Note:

1. Multi-sensor 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 per monitor to be recorded.

5. Video Analytics Licenses

Note: Each **camera channel** requires its own analytics license. A single analytics license **cannot** be applied to multiple camera channels.

License	Type	Details
CANA-1001	Analytics I	Level 1 analytics license
CANA-2001	Analytics II	Level 2 analytics license
CANA-3001	Analytics III	Level 3 analytics license
CNRP-1000	Counting license	Counting base license
CNRP-1001	Counting license	Counting license per direction

Application example

To run counting analytics on a site, the following licenses would be required:

- A base license per site
- A license for each camera used for counting
- Analytics license for each double line counter (i.e. per camera channel performing line counting video analytics)
- A counting license (one per direction)

5.1 Video Analytics Features

The following table details the availability of the CathexisVision analytics features.

● **Available with purchase of Analytics license.**

Notes:

👁 License III includes the features of License II and I; License II includes the features of License I.

👁 A minimum of an Analytics I license is required to use Dynamic Background.

Trigger	First release	Included in VMS	Single alg.	Analytics License I	II	III
Motion detection						
Basic VMD	2015	●				
Smart VMD (flare suppression, track lighting) *free on Professional / Premium	2015		●	●	●	●
Simple single line crossing, single or both directions	2015			●	●	●
Line count *no event trigger	2016	●				
Line trigger	2015			●	●	●
Segmented line	2015				●	●
Double line	2015				●	●
Speed	2015					●
Filter and track objects – specialised width & height filter	2016					●
Filter and track objects – specialised direction filter	2016					●
Filter and track objects – specialised speed filter	2016					●
Simple presence in an area	2015			●	●	●
Enter / exit area	2015				●	●
Time in area (loitering)	2015				●	●
Stop in area	2015				●	●
Queue length			●		●	●
Still object (object left / object removed)	2015		●		●	●
Filter and track objects – specialised width & height filter	2016					●
Filter and track objects – specialised direction filter	2016					●
Filter and track objects – specialised speed filter	2016					●
Top-down head counter – standard, no trigger	2016	●				
Top-down head tracker - standard	2016		●			●
Adaptive noise suppression	2017	●				
Dynamic background	2017			●	●	●
Accurate tracking	2017	●				
Fixed lighting		●				
Find motion in area in scene	2018	●			Motion Search	
Detect camera shift: defocus/covered	2017	●			Camera tamper	
Object classification video overlays and OC metadatabase	2020			●	●	●
OC filters (human, animals, vehicles) for event recordings advanced	2020					●
Mask detection	2021			●	●	●
People proximity	2021			●	●	●
Occupancy	2021			●	●	●
Thermal camera integration**	2021					●

Note: Basic, Intermediate, and Advanced Analytics are available with Analytics Licenses I, II, and III respectively. For more information, visit www.cathexisvideo.com or consult the *Cathexis Video Analytics Brochure*.

6. Add-on Feature Licenses

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

6.1 Map Licenses (CMAP-2000/3000)

Two map license variants are available.

License	Type	Details
CMAP-2000	Site map license	This license enables 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. **Premium sites**: This license is automatically included in the purchase of the Premium package (the CPRM-2001). **Carbon direct site connections**: A direct site connection in Carbon will only allow maps - if the site is Premium, - or if the site is Core/Pro with a site map license.
CMAP-3000	Client map license	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 many geographically dispersed sites that will have a limited number of client connections or viewers connecting to the sites.

6.2 Video Wall Licenses (CVGA-2001)

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

Video wall licensing changed in CathexisVision 2018. In 2017 and prior software releases, video wall licenses were applied on a "per-monitor" basis.

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

6.3 Failover Licenses (CFOR-2001 and CFOR-1001)

License	Type	Details
CFOR-2001	Failover base license	From CathexisVision 2018: **For Premium sites**, the failover base license is included automatically in any Premium site purchased. **For Professional sites**, a failover base license is required in addition to the purchase of the Professional software license.
CFOR-1001	Failover camera license	Failover camera licenses are required for each camera on Professional sites.

Failover was introduced into CathexisVision 2016. **CathexisVision 2016** and **CathexisVision 2017** Professional / Premium sites need to purchase the failover base and per camera licenses, in addition to existing licenses.

Note: From CathexisVision 2023, Premium sites do not require per-camera failover licenses (CFOR-1001).

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)

License	Type	Details
CAMG-1000	Alarm Management Gateway server license	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. **Professional 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.

Note: The Professional site license that is bundled with the CAMG-1000 license has no value on its own and is inseparable from the CAMG-1000 license. The Professional site license is added solely to enable setup of an AMG server without the added site license cost.

7.2 Alarm Client License (CBAS-7100)

License	Type	Details
CBAS-7100	Alarm client license	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 the CBAS-7100 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

Cathexis releases new software, with major feature additions, once per annum. For example, if CathexisVision 2022 is purchased, the client is entitled to any update packs that are made available for CathexisVision 2022, including extra cameras and third-party integration devices, and bug fixes.

Cathexis offers Version Migration packages to keep your installation **up-to-date**, ensuring that your security system benefits from the **latest CathexisVision features**. For your convenience, we also offer **bundled** multi-version CCVM licenses.
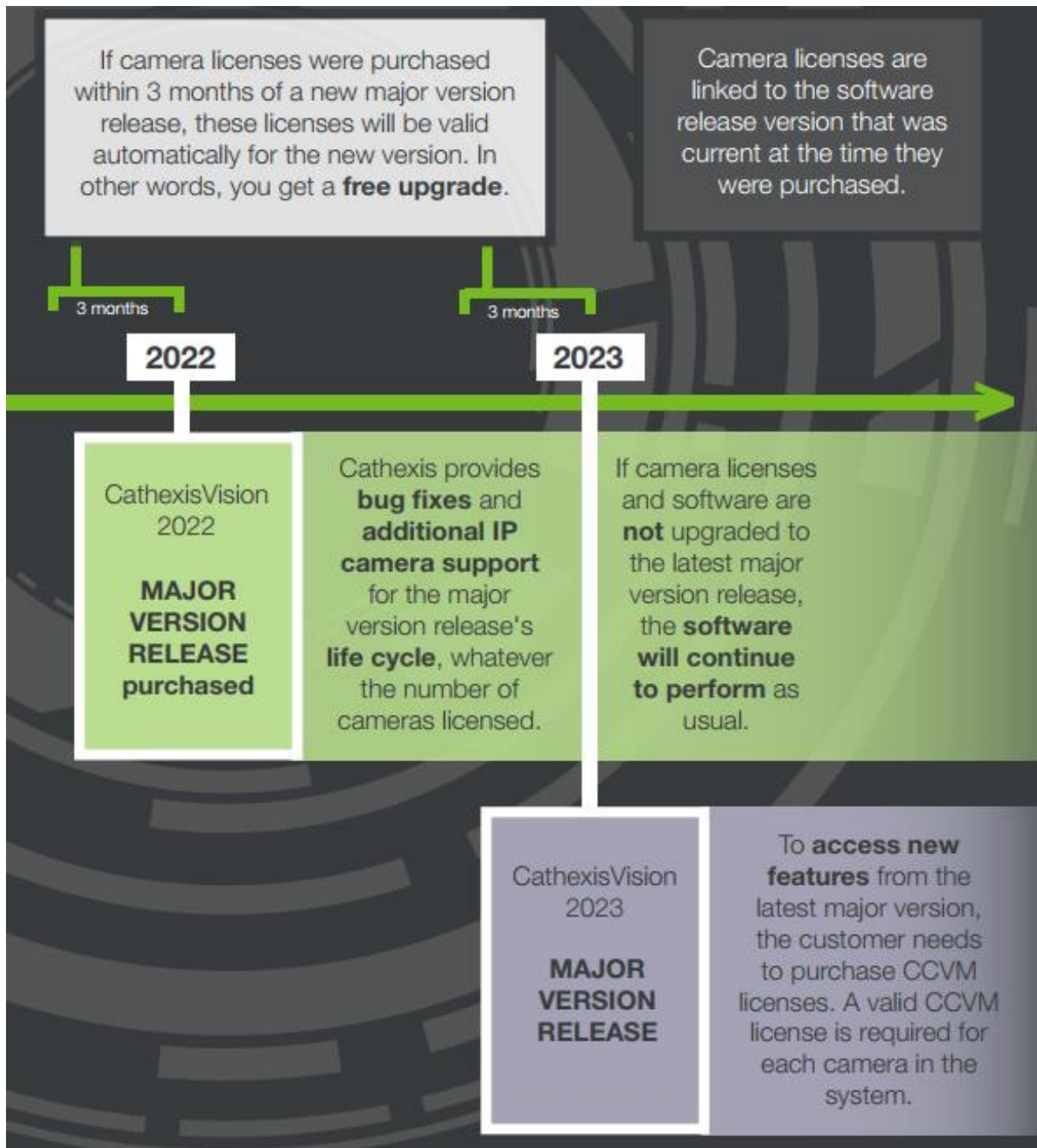
CCVM licenses

To migrate to a newer version of CathexisVision, a Camera Version Migration (**CCVM**) license must be added **per IP camera**.

When migrating between releases of CathexisVision that are more than one **annual version** apart, CCVM licenses are required for each upward step / annual version. For example, migrating from CathexisVision 2019 to 2022 would require CCVM licenses for 2020, 2021 and 2022.

- Latest software release
- New IP camera drivers
- New integration options
- Features & enhancements
- Latest AI video analytics

8.1 CathexisVision 2018 and Later

License	Type	Details
CCVM-1001	Camera Version Migration license	• Camera Version Migration licenses may be applied to the master unit on the site and shared across the entire site. • Bundled CCVM licenses are available.

If camera licenses were purchased within 3 months of a new major version release, these licenses will be valid automatically for the new version. In other words, you get a **free upgrade**.

Camera licenses are linked to the software release version that was current at the time they were purchased.

3 months

2022

3 months

2023

CathexisVision 2022

MAJOR VERSION RELEASE purchased

Cathexis provides **bug fixes** and **additional IP camera support** for the major version release's **life cycle**, whatever the number of cameras licensed.

If camera licenses and software are **not** upgraded to the latest major version release, the **software will continue to perform** as usual.

CathexisVision 2023

MAJOR VERSION RELEASE

To **access new features** from the latest major version, the customer needs to purchase CCVM licenses. A valid CCVM license is required for each camera in the system.

8.2 Historical (Pre-2018)

From CathexisVision 2015 up until 2018, the annually specified 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 Upgrade

- If a site package upgrade is required, then a license request file (.rqst) from each server on the site will be required.

- These files must be sent to support@cathexisvideo.com for the upgrade process.

- These licenses will be cancelled and credited against the cost of the new upgraded CathexisVision package licenses.

- A pack file will be returned for each server request file with the new licenses applied.

10. License Transfer Conditions

Please note the following policy conditions for transferring licenses.

1. A license may be transferred from server (one hardware platform) to another server within the same site, within 12 months of purchasing the license. This is limited to 1 transfer per purchase.

2. For the purposes of this license agreement, "server" refers to a physical server or a virtual machine hosted on a physical server.

3. A server is considered within its maintenance period (referred to as in "maintenance") if:

    a. The server has valid and "up-to-date" camera version migration licenses (CCVMs) for all cameras on the server and servers on the site (where there are multiple servers).

    b. "Up to date" in (a) above means that there are sufficient camera version migration licenses (CCVMs) installed on all servers on the site, to allow a fully functional update to the latest formally released software on the Cathexis web server (for example CathexisVision 2020 when CathexisVision 2020 is the most recent software release on the web site).

    c. On a site with multiple servers, each server must be "in maintenance" for the site to be "in maintenance"

4. If the site is "in maintenance", the licenses on a server may be transferred to another system on the original site, for the duration of the maintenance period (whilst the system is "in maintenance"). This is limited to 1 transfer of licenses per year per server.

5. If licenses need to be transferred from one server on a site, to another server on site, because of a hardware failure, and the server (or site if there are multiple servers) are not "in maintenance" as defined in (3) above, sufficient CCVMs need to be purchased to put the server (or site as is applicable) "in maintenance", before the transfer may take place.

6. 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.

7. Transfers are performed on request via email to support@cathexisvideo.com.

8. Cathexis may request the completion of a license transfer request form.

9. Cathexis may decline the transfer of a license without disclosing the reasons for doing so.

11. MultiSite

CathexisVision MultiSite is a cost-effective solution for multi-site management.

MultiSite installations can be accessed through the Carbon user interface. A MultiSite connection allows the user to view/review cameras and other resources from multiple sites, navigating with the following tabs:

- Monitoring
- Databases
- Maps
- Configuration
- Feature search
- Archive player
- Spot monitors

Individual sites can select which resources will be viewable on MultiSite.

11.1 MultiSite Licensing

✓	Included	O	License required

CathexisVision Package	MultiSite connection
LITE	No
CORE	O Requires **per-camera enabler** license. O **Other feature licenses are required**: A Core site needs to have the appropriate licenses installed in order for Video Wall, Maps and Alarms to be presented in MultiSite. *See Notes 1 and 2 below.*
PROFESSIONAL	✓ PROFESSIONAL packages *do not* require per-camera enabler licenses for MultiSite. O **Other feature licenses are required**: A Professional site needs to have the appropriate licenses installed in order for Video Wall, Maps and Alarms to be presented in MultiSite. *See Notes 1 and 2 below.*
PREMIUM	✓ PREMIUM packages *do not* require per-camera enabler licenses for MultiSite. ✓ Video Wall, Maps and Alarms are included in Premium packages and are therefore presented in MultiSite **automatically**. *See Notes 1 and 2 below.*

Note 1: A **maximum of 50 sites** can be connected to the MultiSite server.

Note 2: Alarms and the Video Wall are supported in MultiSite 5.1 and later.

11.2 Documents

For more information, consult the following resources:

- *CathexisVision MultiSite 4.1 Installation Guide*

- *CathexisVision Carbon 4.1 Manual*

- *CathexisVision Carbon 4.1 Operator's Manual*

12. Enterprise

CathexisVision Enterprise is a premium solution for multi-site management.

Enterprise installations can be accessed through the Carbon user interface. An Enterprise connection allows the user to view/review cameras and other resources from multiple sites, navigating with the following tabs:

- Monitoring
- Databases
- Maps
- Configuration
- Feature search

- Archive player
- Spot monitors
- **Dashboard**
- **Hardware**

All site resources can be viewed from an Enterprise installation.

12.1 Enterprise Licensing

✓ Included	O License required

CathexisVision Package	Enterprise connection
LITE	No
CORE	O Requires **per-camera enabler** license. *Note: at least 80% of the cameras on a Core site must be licensed with enabler licenses in order for the site to make an Enterprise connection. Unlicensed cameras will be indicated as such and cannot be streamed.* ✓ **Features are presented automatically:** A Core site *does not* need feature licenses installed in order for Video Wall, Maps and Alarms to be presented in Enterprise. *See Notes 1 and 2 below.*
PROFESSIONAL	O Requires **per-camera enabler** license. *Note: at least 80% of the cameras on a Professional site must be licensed with enabler licenses in order for the site to make an Enterprise connection. Unlicensed cameras will be indicated as such and cannot be streamed.* ✓ **Features are presented automatically:** A Professional site *does not* need feature licenses installed in order for Video Wall, Maps and Alarms to be presented in Enterprise. *See Notes 1 and 2 below.*
PREMIUM	✓ PREMIUM packages *do not* require per-camera enabler licenses for Enterprise. ✓ **Features are presented automatically:** Video Wall, Maps and Alarms are included in Premium packages and are therefore presented in Enterprise automatically. *See Notes 1 and 2 below.*

Note 1: - A site that meets the requirements for connecting to Enterprise (as specified above) will be licensed for maps on Enterprise. Only enabled cameras will be supported on the map.

- This will not allow local site maps to work. Local site maps will only work with the appropriate site map license.

Note 2: - Alarms and the Enterprise Video Wall are supported in Enterprise 5.1 and later.

12.1 Documents

For more information, consult the following resources:

- *CathexisVision Enterprise 4.1 Installation Guide*

- *CathexisVision Carbon 4.1 Manual*

- *CathexisVision Carbon 4.1 Operator's Manual*

13. Integration Licenses

CathexisVision can integrate with several third-party systems.

Some generic licenses are available for particular categories of third-party equipment (for example, access control). There are also specific licenses for unique integrations.

Integrations can be added to any of the CathexisVision packages, provided the server hardware is correctly specified with respect to connection type and resources.

11.1 Integration License Models

Typically, a third-party product is licensed using one of these models:

Model	Details
Single License Model	There is a single license for the integration (for example, the CALM-2000 that integrates with an alarm panel). It does not depend on the number of devices that comprise the 3rd party product.
Base License Model	The more common license model features 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 is a scalable pricing solution which makes the integration affordable for 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 depends on the number of installed point-of-sale systems.
Bundled License Model	Consists of a single Base license and unlimited Single license for large site installations.

11.2 Supported Integration Systems

The list of integrated third-party products is continually expanding. For a comprehensive list of available integrations, contact support@cathexisvideo.com or view the Cathexis Integrations web page:

https://cathexisvideo.com/video-monitoring/support-integrations/

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

- Third-party analytics
- Access control systems
- Alarm panels
- Elevators and escalators
- Fence management systems
- Fire panels
- General I/O solutions

- Automatic Number Plate Recognition
- Miscellaneous
- Money counters
- Parking solutions
- Point of sale: these are generally customised for the particular retail client
- Weighbridge solutions

14. Conclusion

For more information on CathexisVision, visit our website www.cathexisvideo.com or consult the *CathexisVision Setup Manual*.

To chat with a member of the Cathexis support team, email support@cathexisvideo.com.