

VYKON Enterprise Security FAQs

How is the application licensed?

VYKON Enterprise Security is licensed by the total quantity of readers that the application needs to manage. The base application is enabled for 32 readers and additional readers can be licensed in 16, 64, 256, 1024 increments.

Are there limits and or licenses required for workstations used with the system?

There is a license required at the Enterprise Security Server to enable the security functionality which includes up to 32 total readers. There are license packs available to increase the total number of readers on the system.

Can the application run on an existing AX Supervisor?

Yes, the VYKON Enterprise Security application is a service that can be installed on an existing AX Supervisor. The AX Supervisor will need to be upgraded to the corresponding VYKON Enterprise Security build as well as be licensed to run the application.

Does the VYKON Enterprise Security application require an external database? If so, what are the requirements?

VYKON Enterprise Security requires an external relational database which is not provided by Tridium. The optional databases available today are MySQL and SQL Server, both of which have free versions available for download.

Are there any training requirements to sell and install Enterprise Security?

Yes, unlike the standalone version of the security application (1.X), Tridium requires security partners to be trained and certified on the application. Please check the Tridium training schedule for the next available class.

Do I need AX Workbench to configure the VYKON Enterprise Security application?

The VYKON Enterprise Security application is an appliance and is completely accessible through a standard web browser. However, the video subsystem requires Workbench to install the necessary drivers and configure the cameras. Once this task is completed, the appliance may be utilized to configure alarms and events to trigger recording.

What video systems are supported on the VYKON Enterprise Security platform?

The VYKON Enterprise Security product supports all Dedicated Micros products which support the NetVu connected protocol and Axis Communications cameras which support the VAPIX open API. Support for more cameras and recorders will be forth coming through the Video Framework.

Are there limits of to the number of cameras that can be on the system? Are additional licenses required other than those from the DVR manufacture?

The video devices are licensed by the total number of cameras allowed on a single security controller or at the central server. The cameras can be physically connected to multiple DVR's; however, the total number of cameras can not exceed the number licensed.

Is there a limit on the number of controllers that can be connected? (How many doors, inputs, outputs, access zones, intrusion zones, etc?)

Yes – there are limits depending upon the system architecture and specific controllers used. Please refer to the Enterprise Security Datasheet and Enterprise Security Application Guide for specifics. Below is a simplified representation of system limits:

Maximum Number of	Enterprise Server	SEC-601	SEC-201
Personnel	1,000,000	20,000	5,000
Card Readers	10,000	32	16
Access Rights	25,000	250	100
Schedules	25,000	100	25
Access Zones	25,000	50	10
Intrusion Zones	N/A	25	5
Intrusion Keypads	N/A	6	2
On-line Historical Records	25,000,000	50,000	10,000
Simultaneous System Users	25	10	5
Area Controllers	500	NA	NA

Are these users shared between all controllers or does each controller have its own user list that is separate from the others on the network?

Each controller has an independent set of users which is managed at the controller locally.

Does the system depend on a central server for daily operations, or can the controller operate independently without the network. What happens if the network goes down?

The system does not depend on a connection to a central server for daily operations. However, if the network goes down, no cardholder information may be changed at the controller level. In addition, historical data will not be available at the central server until the connection is restored.

What is the wiring topology for the reader modules? Are they on a straight line bus? What is the max distance between modules? How are the modules addressed?

The reader module is an RS-485 multi-device network. Standard "straight-line" RS-485 topology rules apply. The maximum RS-485 total bus length is 4,000 feet. Each module has a unique ID value defined in the module hardware. Addressing is managed automatically by the access network software.

Are the outputs on the reader module dry, or can they provide strike voltage?

The outputs are Form C dry relay contacts rated at 24VAC/VDC up to 3A.

How is the system powered? The controller operates on 15vdc, is there a range?

The security products are specified at 15VDC. However, the operating power input range is 12-15VDC.

What is the operational voltage for the reader modules?

12-15VDC.

What type of reporting options are available for the alarms?

Alarm Console: The user can monitor alarms real-time via the alarm console.

Alarm History: The user can request an alarm history report with filtering available for any column currently displayed.

The displayed alarm history can be exported in either a .pdf or .csv format.

Can the system send traditional codes to a UL listed Central Monitoring Station?

The system is not UL 1076 listed, therefore does not have any central station interfacing capability.