



Cisco Video Surveillance Manager for UCS Express

The Cisco® Video Surveillance Manager for the Cisco Unified Computing System™ Express (UCS Express) represents the start of a new generation of virtualized appliances for use with the Cisco Video Surveillance Manager product line.

The Cisco integrated services router—a solution deployed in more than 80% of organizations with branch offices worldwide—is designed to deliver voice, data, and video for the site in a single and flexible network access platform. This flexibility can now encompass video surveillance with Cisco Video Surveillance Manager for UCS Express. Integrating physical security into the router provides a tighter linkage between video surveillance and other branch office applications that enhance efficiency and productivity.

Cisco Video Surveillance Manager for UCS Express employs mainstream Video Surveillance Manager technology that has been optimized for virtual environments. This technology can seamlessly integrate with new and existing Video Surveillance Manager deployments.

Table 1 describes the features of the Cisco Video Surveillance Manager for UCS Express platforms.

Table 1. Cisco Video Surveillance Manager for UCS Express Features

Item	Specification
Proven surveillance platform	<ul style="list-style-type: none">• Extends proven Video Surveillance Manager capabilities to virtual environment within UCS Express• Seamless integration within new and existing Video Surveillance Manager deployment
Increased solution flexibility and operational efficiency	<ul style="list-style-type: none">• Provides deployment flexibility and simplified management through the use of virtualization tools• Decreases end-to-end time to deploy a fully functional virtual machine

Software Packaging and Installation

Table 2 describes how to obtain the Cisco Video Surveillance Manager for UCS Express.

Table 2. Cisco Video Surveillance Manager for UCS Express Software Packaging and Installation

Package	Description
Open Virtualization Format (OVF)	<ul style="list-style-type: none">• Downloadable OVF virtual appliance in the form of a single file with the .ova extension• Deployed with OVF templates/packages

Solution Deployment Requirements

The products listed in Table 3 must be deployed when using the Cisco Video Surveillance Manager for UCS Express.

Table 3. Cisco Video Surveillance Manager for UCS Express Deployment Requirements

Package	Description
Hypervisor and hypervisor management	<ul style="list-style-type: none">• VMware vSphere 5.0 or later with VMware ESX or ESXi

Specifications

Table 4 and Table 5 describe the specifications of the Cisco Video Surveillance Manager for UCS Express platform.

Table 4. Cisco Video Surveillance Manager on UCS Express Specifications

Server Type*	Maximum Number of Cameras	Maximum I/O (Mbps)	Maximum Raw Storage (TB)**
SRE-9xx	32	40	1

Table 5. Cisco Video Surveillance Manager on UCS Express Performance Per Bit Rate Specifications

Stream Bit Rate	Maximum Number of Streams
4 Mbps	7
2 Mbps	15
1 Mbps	32

Maximum Number of Cameras

The maximum number of cameras is defined as the highest number of endpoint streams, including IP camera and encoder sources, that can be managed at any given point in time. When a single camera is simultaneously transmitting dual streams and both are being recorded and/or displayed, it will count as two cameras for the purposes of this calculation.

Maximum I/O

The maximum I/O is defined as the highest aggregate bandwidth into and out of the Cisco Video Surveillance Manager for UCS Express for operating with exclusive access to the Cisco UCS Express hardware resources. Input sources include endpoint streams, and output destinations include active viewing workstations and video walls.

Maximum Raw Storage

The maximum raw storage is a simple calculation of the total number of disks available per platform multiplied by the maximum supported disk capacity. The actual usable storage will be less based on storage array, software, and operating system configurations. Refer to the [Cisco UCS Express data sheets](#) for technical specifications.

Ordering Information

Table 6 lists the part numbers for the Cisco Video Surveillance Manager for UCS Express.

Table 6. Ordering Information

Part Number	Description
FL-VSM-SRE9-VM=	Cisco SRE9xx 32-port Video Surveillance Manager VM License
FL-VSM-SRE9-VM=	eDelivery License for Cisco SRE9xx 32-port Video Surveillance Manager VM

Services and Support

Cisco and our certified partners can help you accelerate success and improve the return on your investment in a Cisco Physical Security solution. The Cisco lifecycle approach to services defines the requisite activities at each phase of the solution lifecycle:

- Reduce deployment costs by identifying the features that will best meet your business requirements

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- Accelerate migration by assessing the readiness of your network to support the system and by developing a sound design
 - Support smooth implementation through effective planning and expert installation, configuration, and integration
 - Increase operational efficiency and extend the value of your investment with award-winning technical support

For more information about Cisco services, visit <http://www.cisco.com/go/services>.

For More Information

For more information about Cisco Video Surveillance platforms, visit <http://www.cisco.com/go/videosurveillance> or contact your local account representative.



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