End-to-End Medianet Management for Secure Scalable Video Surveillance—Starter Kit

The End-to-End Medianet Management for Secure Scalable Video Surveillance Starter Kit is a fully integrated solution that contains components of the Cisco® Video Surveillance Manager system and LiveAction application-aware network performance management with Quality of Service (QoS) control software. This joint solution enables customers to gain unprecedented visibility to video surveillance network components and quickly respond to performance issues, thus restoring video quality and improving security responses.

Building on Medianet Performance Monitor, Mediatrace, and IP SLA Voice Operations (VO), and integrating with Cisco Video Surveillance Manager, LiveAction provides the following management functions:

- **Visualization:** End-to-end monitoring, troubleshooting, and mitigation of video surveillance performance issues
- **QoS Control:** Full graphical QoS Configurator for video performance problem resolution
- **Pre-Deployment Assessment:** GUI-based IP SLA VO for network readiness of video services
- **Scalability:** Scale to hundreds, thousands, or millions of cameras

A typical scenario enables a security officer at a client workstation, looking at millions of video surveillance streams, to detect a quality issue and call the IT Help Desk. The Help Desk, through LiveAction simple interface and visualization, is able to troubleshoot and fix the issue quickly and efficiently. This results in richer user experiences, increased productivity, cost savings, and most importantly preserved security information.

The solution components are shown in Figure 1 below:

Figure 1.   End-to-End Medianet Management for Secure Scalable Video Surveillance
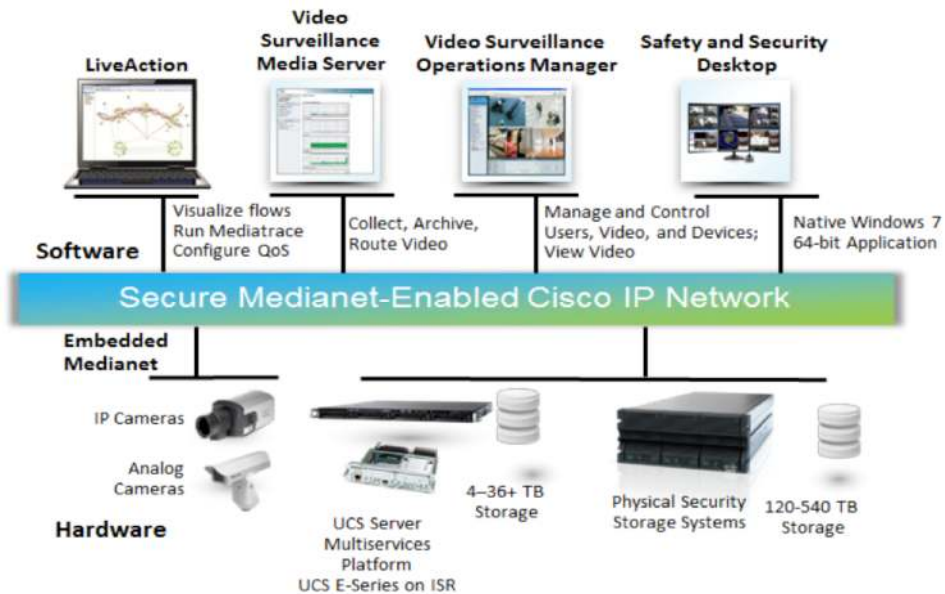
This solution offers the following benefits to customers:

- Scale to hundreds, thousands, or millions of devices

- Streamline deployments of new cameras

- Simplify troubleshooting with end-to-end visualization of video flows and on-demand Mediatrace of Medianet-enabled cameras to Media Servers

- Quickly fix video performance issues with GUI-based QoS control features hiding the command line interface (CLI)

- Perform pre-deployment capacity assessment and planning

Ordering Information

The following ordering information is for two sample scenarios: maximum stream of 50 Mbps and 185 Mbps.

Table 1.

Components	Description	Max # of IP Cameras supported or Network Device	SKU
Cisco CSS UCS® C220	Server to house Media Server and/or VSOM	50	CPS-UCS-1RU-K9
Cisco Video Surveillance Media Server	A core component of the Cisco Video Surveillance Manager. It distributes processing of all video, audio, and event information; collects and routes videos from a wide range of cameras and encoders over an IP network; and provides bandwidth management for live distribution and historical recording.		FL-CPS-MS-SW7
1-YR SMARTnet®—Cisco Video Surveillance Media Server	Cisco technical support service for Cisco Video Surveillance Media Server		CON-SAS-FLCPSMSS
Cisco Video Surveillance Operations Manager (VSOM)	Enables the efficient and effective configuration and management of video throughout an enterprise. It provides a secure web portal to configure, manage, display, and control video in an IP network, and allows you to easily manage a large number of security assets and users, including media servers, cameras, encoders, and event sources.		FL-CPS-OM-SW7
1-YR SMARTnet—Cisco VSOM	Cisco technical support service for Cisco Video Surveillance Operations Manager		CON-SAS-FLCPSOMS
LiveAction Flow and QoS	Provides Flow and QoS functionality to monitor, troubleshoot, and mitigate video surveillance performance issues with 5-day historical data.	5 switches or routers	LP-3100-005
1-YR LiveAction Support	Technical support and maintenance upgrades for LiveAction		LP-3100-005-M1

Table 1. Scenario #1 (Maximum stream 50Mbps)

Table 2.

Components	Description	Max # of IP Cameras supported or Network Device	SKU
Cisco CSS UCS C240	Server to house Media Server and/or VSOM	250	CPS-UCS-2RU-K9
Cisco Video Surveillance Media Server	A core component of the Cisco Video Surveillance Manager. It distributes processing of all video, audio, and event information; collects and routes videos from a wide range of cameras and encoders over an IP network; and provides bandwidth management for live distribution and historical recording.		FL-CPS-MS-SW7
1-YR SMARTnet—Cisco Video Surveillance Media Server	Cisco technical support service for Cisco Video Surveillance Media Server		CON-SAS-FLCPSMSS
Cisco Ops Manager			FL-CPS-OM-SW7
Cisco Video Surveillance Operations Manager (VSOM)	Enables the efficient and effective configuration and management of video throughout an enterprise. It provides a secure web portal to configure, manage, display, and control video in an IP network, and allows you to easily manage a large number of security assets and users, including media servers, cameras, encoders, and event sources.		CON-SAS-FLCPSOMS
LiveAction Flow and QoS	Provides Flow and QoS functionality to monitor, troubleshoot, and mitigate video surveillance performance issues with 5-day historical data.	10 switches or routers	LP-3100-010
1-YR LiveAction Support	Technical Support and maintenance upgrades for LiveAction		LP-3100-010-M1

Table 2. Scenario #2 (Maximum stream 185 Mbps

For more information about the solution, visit http://www.cisco.com/en/US/products/ps10818/index.html

For questions regarding the Starter Kit, please contact physec-questions@external.cisco.com or sales@actionpacked.com

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