



Cisco Video Surveillance Virtual Matrix Client Configuration Guide

Release 6.2

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Cisco Integrated Site Manager User Guide

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Configuring the Virtual Matrix Client

This guide describes how to install and configure the Cisco Video Surveillance Virtual Matrix client.

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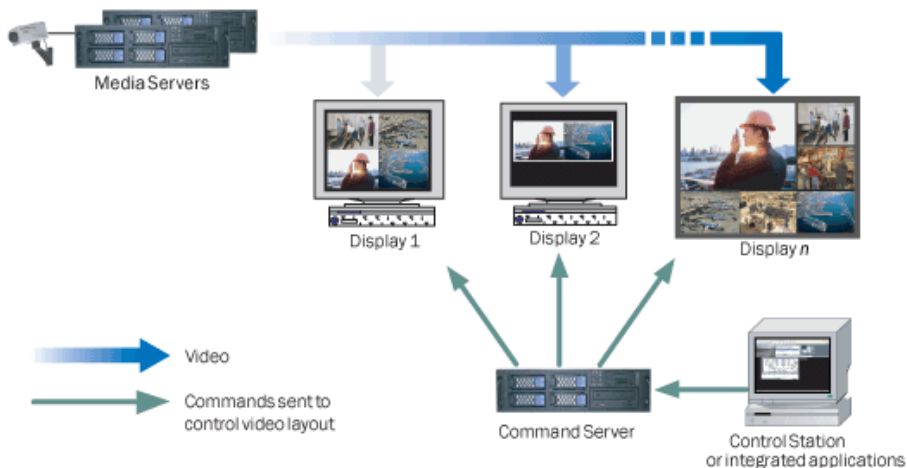
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Overview

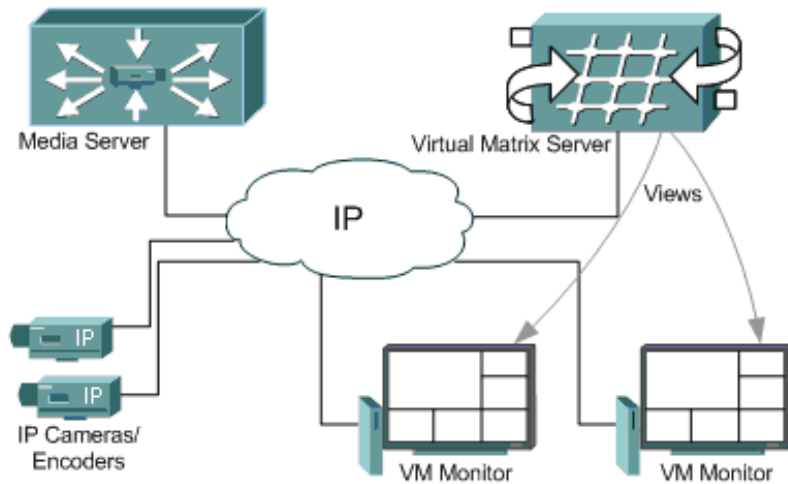
The Cisco Video Surveillance Virtual Matrix software permits authorized security managers and operators to select and control video displayed on any number of digital monitors on a local and remote basis.

The software also permits integrated security applications to control digital video displayed on any number of digital monitors on a local or remote basis. Virtual Matrix uses IP networks to provide aggregation and transmission of video from cameras and recording platforms similar to classic analog video matrix switching, offering capabilities that analog switches cannot deliver.

VSVM consists of a client and server. The client displays live and archived video streams from VSMS as directed by the server. The client by itself cannot control video streams. The server runs on Linux and directs what the clients are viewing. The server maintains the viewing state of the clients. A set of URL APIs are defined to set up and change the server viewing state.



The next figure shows how operators can choose from any number of available cameras to be displayed on any system monitors within any custom video display patterns. The Virtual Matrix integrates with other systems to automatically display video in response to user-defined event triggers. These triggers can include access control and fire systems in buildings, outdoor motion sensors, or even radar systems for military applications.



Downloading and Installing the Virtual Matrix Client

You can download the client from the software and downloads page in Cisco Video Surveillance Operations Manager (VSOM). For more information, see the *Cisco Video Surveillance Operations Manager User Guide*.

When you complete the download, open the VSVMinstaller.msi file and follow the on-screen directions. If you have an existing Virtual Matrix client installed on your computer, the installer prompts you to uninstall the existing client before installing the new one.

Configuring the Virtual Matrix Client

You can configure one or more virtual matrix monitors from the client application. To configure the Virtual Matrix client, follow these steps:

Procedure

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- Step 1** Download and install the client.
 - Step 2** Use the Start menu or double-click the Cisco Video Surveillance Virtual Matrix Client icon on your desktop to open the client.
 - Step 3** Select a virtual matrix monitor from the drop-down list at the top of the configuration window. To add another monitor, enter a name for the monitor, and click **Add**. To remove a monitor, click **Remove**.
 - Step 4** Configure settings as described in [Table B-1](#).
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Table B-1 **Configuration Settings**

Field	Description
Host Name	Enter the host name of the Virtual Matrix server.
Port Number	Enter the port number that the server will use for client connections. It must match the port parameter specified in the server's state file. The default port number is 1066.

Table B-1 Configuration Settings (continued)

Field	Description
Monitor Name	Select one of the available monitor names.
Resolution	Select one of the available resolutions.
Horizontal Position	Enter the coordinate (x,y) of left to right placement for the client window in the view. For a single monitor, (0,0) is typical.
Vertical Position	Enter the coordinate pair (x,y) to indicate the placement for the client window on the monitor.
Width	Enter the width of the client window in pixels.
Height	Enter the height of the client window in pixels.
Frameless	Select the check box to use a frameless client window. The default is a framed client window. A Frameless client window cannot be moved when it is running (similar to kiosk-mode).
Enable VMR9	Select the check box to enable the VMR mode in VSVM client (some graphics cards do not support VMR 9).
Enable DVR	Select the check box to enable the DVR mode in VSVM client, for first video pane only (displays the DVR toolbar).
Show Time Stamps	Select the check box to display the time stamps in the VSVM client video pane.
Launch at Startup	Select the check box to automatically launch the VSVM client when your PC is started.

