



Video Summarizer App

This chapter provides information about the Video Summarizer app for Cisco IP cameras. This app this app generates snapshots from video recordings and uploads the snapshots to an FTP server.

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About the Video Summarizer App

The Video Summarizer app generates snapshots from video recordings at configured intervals and uploads the snapshots to the designated FTP server.

Configuring the Video Summarizer App on an IP Camera

Before you can use the Video Summarizer app, you must configure it on each IP camera on which it will run. To configure this app, perform the following steps.

Before You Begin

Install the Video Summarizer app on the IP camera on which it will run. See the [“Related Documentation” section on page 1-1](#) for more information.

Using this app requires continuous recording to be enabled in the Local Storage window in the IP camera web-based user interface. For information about configuring continuous recording, see the Configuration Guide for your IP camera model.

In addition, the IP camera CIVS-IPC-7030, CIVS-IPC-7030E, and CIVS-IPC-7070 models support this app only if the Video Resolution option in the Setup > Streaming window in the IP camera web-based user interface is configured as shown:

- For 1:1 aspect ratio, up to 1280 x1280
- For 16:9 aspect ratio, up to 1920 x1080

Procedure

- Step 1** From the IP camera web-based user interface, click the **Setup** link, click **Application Manager** to expand the menu, then click **App Setup**.
- Step 2** Click the **VideoSummarizer** radio button, then click **Configure**.
The Cisco Video Summarizer configuration page appears.
- Step 3** Enter appropriate values in the Cisco Video Summarizer page fields as described in the following table:

Field	Description
Upload Interval	Interval, in seconds, at which snapshots are generated from the video file and uploaded to the FTP server. Valid values are 120 to 2592000 (2 minutes to 90 days).
IP Address	IP address of the FTP server to which snapshots are uploaded.
Username	User name for logging in to the FTP server to which snapshots are uploaded.
Organize Upload	If you choose Enable , the system uploads snapshots to the following location on the FTP server. In this way, snapshots are organized into subfolders that correspond to the upload date: <i>folder/camera_serial_number/mm-dd-yyyy</i> where: <ul style="list-style-type: none"> <i>folder</i>—Path to a folder under the FTP root folder as defined by the Upload Location option that this table describes <i>camera_serial_number</i>—Serial number of the IP camera from which the snapshot is uploaded <i>mm-dd-yyyy</i>—Month, day, and year on which the file is uploaded If you choose Disable , the system uploads snapshots to the following location on the FTP server. In this case, the <i>mm-dd-yyyy</i> subfolder is not included. <i>folder/camera_serial_number</i>
Upload Format	Choose the image file format for snapshots (JPG or BMP).
Snapshot Timestamp	Choose whether the timestamp that is included as part of a snapshot filename shows the local time that the file was created (Local-Time) or the UTC time that it was crated (UTC-Time).
Upload Location	Path to the folder under the FTP root folder on the FTP server where snapshots are stored. This path must exist on the server or the server must have permission to create directories. If you do not specify an upload location, the system uses the FTP root folder.
Server Type	Indicates that snapshots are uploaded to and FTP server.
Port	Port on which the FTP server is running.

Field	Description
Password	Password for logging in to the FTP server to which snapshots are uploaded.
Snapshot Prefix	<p>Prefix for the snapshot filename.</p> <p>Snapshot files are named as follows:</p> <p><i>prefixmm-dd-yyyy hh_mm_ss</i></p> <p>where:</p> <ul style="list-style-type: none"> <i>prefix</i>—Prefix text that you set with this option <i>mm-dd-yyyy</i>—Month, day, and year at which the file is created <i>hh_mm_ss</i>—Hour, minute, and second at which the file is created <p>The default prefix is CIVS-IPC.</p>
Quality Factor	<p>Choose the image quality factor for snapshots. A higher value provides better quality but consumes more bandwidth and storage.</p> <p>This option applies only when the following configuration settings are made for the IP camera:</p> <ul style="list-style-type: none"> The Video Codec option is set to H.264 on the Streaming page in the web-based user interface for the camera The Upload Format option in the Configuration page for this app (as described in this table) is set to JPG <p>When the Video Codec option is set to MJ PEG, snapshots use the quality factor that is configured for the Video Quality Control option on the steaming page.</p> <p>If you set the Upload Format option in the Configuration page for this app to BMP, this Quality Factor option is ignored.</p> <p>Valid values are integers 0 through 100.</p>

Step 4 Click the **Save** button in the Cisco Video Summarizer configuration page, and then click **OK** in the confirmation dialog box.

If you want to reset the options in the Cisco Video Summarizer configuration page to their default values, click the **Reset** button, click **OK** in the two dialog boxes that appear, click the **Save** button, and then click **OK** in the confirmation dialog box.

If you change configuration values while the Video Summarizer app is running, you must stop and then restart the app before the changes take effect.

Running the Video Summarizer App

To run the Video Summarizer app on an IP camera, perform the following steps:

Procedure

- Step 1** From the IP camera web-based user interface, click the **Setup** link, click **Application Manager** to expand the menu, then click **App Setup**.
 - Step 2** Click the **VideoSummarizer** radio button.
 - Step 3** (Optional) If you want the Video Summarizer app to run automatically each time the IP camera reboots, in the Installed Application List area, check the **Start on Boot** check box that corresponds to this app.
If you do not check this check box, you must run the app manually each time the IP camera reboots.
 - Step 4** Click the **Run** button.
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Stopping the Video Summarizer App

To stop the Video Summarizer app on an IP camera, follow these steps:

Procedure

- Step 1** From the IP camera web-based user interface, click the **Setup** link, click **Application Manager** to expand the menu, then click **App Setup**.
 - Step 2** Click the **VideoSummarizer** radio button.
 - Step 3** Click the **Stop** button.
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