



Release Notes for Cisco Video Surveillance IP Camera and IP Dome Firmware Release 2.1

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These release notes provide important information for the Cisco Video Surveillance IP camera and IP dome firmware release 2.1.

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Introduction

Firmware release 2.1 includes features that extend the functionality of the following Cisco IP camera and Cisco IP dome models:

CVIS-IPC-2500

CVIS-IPC-2500W

CVIS-IPC-2421

CVIS-IPC-2520V

CVIS-IPC-2521V



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What's New in this Release

Cisco Video Surveillance IP camera and IP dome firmware release 2.1 includes support for the following:

- Cisco Media Application Programming Interface—This release adds support for the Cisco Media API, which is an open, standards-based interface that allows integration with compatible video surveillance management systems.
- MJPEG encoding—This release adds support for MJPEG encoding.
- 802.1x authentication—This release adds supports for 802.1x authentication on the Ethernet interface of the wired IP cameras and IP domes. Support for 802.1x authentication on the wireless IP camera continues.
- Bonjour—This release adds support for the Bonjour zero configuration discovery protocol.

Upgrading to Release 2.1

Upgrading to release 2.1 applies only to the IP camera models CIVS-IPC-2500 or CIVS-IPC-2500W. The IP dome models ship with this release installed.

To upgrade a Cisco IP camera to firmware release 2.1, take the appropriate action:

- If the IP camera is running a firmware release other than release 1.1.1 or 1.1.2W, perform the upgrade procedure that is described the “Firmware Window” section of *Cisco Video Surveillance IP Camera User Guide*.
- If the IP camera is running firmware release 1.1.1 or 1.1.2W, follow the steps in this section.

You can use this procedure to upgrade up to two IP cameras simultaneously. Be aware that the all configuration for an IP camera, including its IP address, reset to the factory default settings after an upgrade.

Procedure for upgrading IP camera from release 1.1.1 or 1.1.2W to release 2.1

Step 1 Take these actions to obtain the release 2.1 firmware:

- a. From a PC that is on the same subnet and LAN as the IP camera that you are upgrading, go to this URL:
<http://www.cisco.com/en/US/products/ps7307/index.html>
- b. Click the **Download Software** link, log in to Cisco.com, and locate the 2.1 firmware file, which is named CIVS-IPC-2.1.0-bin.gz.
- c. Double-click the 2.1 firmware file name and follow the on-screen prompts to download it to your PC.
- d. Unzip the file on your PC.

You can unzip the file into any folder on the PC.

Step 2 Take these actions to download the upgrade utility:

- a. From a PC that is on the same subnet and LAN as the IP camera that you are upgrading, go to this URL: <http://www.cisco.com/en/US/products/ps7307/index.html>.

You can use the same PC that you used in [Step 1](#).

- b. Click the **Download Software** link, log in to Cisco.com, and locate the upgrade utility file, which is named CIVS-IPC-2500_UpgradeUtility_v2.1.zip.
- c. Double-click the file name and follow the on-screen prompts to download it to your PC.
- d. Unzip the file on your PC.

You can unzip the file into any folder on the PC.

Step 3 Take these action to place the IP camera you are upgrading into upgrade mode:

- a. Power off the IP camera:
 - If the IP camera receives AC power, remove the power cable from the IP camera or unplug the cable from the outlet.
 - If the IP camera receives power over Ethernet (PoE), disconnect the network cable from the IP camera.

- b. Press and hold the Reset button on the IP camera.

See *Cisco Video Surveillance IP Camera User Guide* for the location of the Reset button.

- c. While holding the Reset button, power on the IP camera by reconnecting the power cable or Ethernet cable that you disconnected.

- d. Continue to hold the Reset button for 10 seconds.

When an IP camera enters upgrade mode, the amber Ready LED on the front of the IP camera blinks.

Step 4 Navigate to the folder where you unzipped the Upgrade Utility file and double click **Upgrade.exe**.

The Cisco Upgrade Utility for Standard Definition IP Camera window appears. Each IP camera or camera that you are upgrading appears in the Device List.

Step 5 In the Cisco Upgrade Utility for Standard Definition IP Camera window, take these actions:

- a. Check the check box that appears to the left of the Default Name of each IP camera that you want to upgrade.

Make sure that the MAC address that appears for the camera that you want to upgrade matches the MAC address that is printed on the label that is affixed to the IP camera.

- b. Click the **Browse** button.

Step 6 In the Open pop-up window, take these actions:

- a. Navigate to the folder in which you unzipped the release 2.1 firmware file.
- b. Click the firmware name, which is **CIVS-IPC-2.1.0-bin**.
- c. Click **Open**.

The Cisco Upgrade Utility for Standard Definition IP Camera window displays the number of the firmware release that you are upgrading to.

Step 7 In the Cisco Upgrade Utility for Standard Definition IP Camera window, click the **Start** button.

The upgrade process begins. This process can take up to 30 minutes. Do not exit the program or power off the IP camera during the upgrade process.

You can monitor the process by looking at the Status, Progress, and % fields in the Cisco Upgrade Utility for Standard Definition IP Camera window.

When the upgrade process completes, the Status field displays **OK**.

Step 8 In the Cisco Upgrade Utility for Standard Definition IP Camera window, click the **Exit** button.

Each IP camera that you are upgrading reboots and resets to the factory default configuration values.

Step 9 Access each IP camera that you upgraded and configure it as needed.

See *Cisco Video Surveillance IP Camera User Guide* for detailed information and instructions about accessing and configuring an IP camera.

Caveats

Use the Bug Toolkit to find information about the caveats (bugs) for the this release, including a description of the problems and available workarounds. The Bug Toolkit lists both open and resolved caveats.

To access Bug Toolkit, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

To use the Bug Toolkit, follow these steps:

Procedure

Step 1 To access the Bug Toolkit, go to <http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs>.

Step 2 Log in with your Cisco.com user ID and password.

Step 3 To look for information about a specific problem, enter the bug ID number in the **Search for bug ID** field, then click **Go**.

Step 4 To look for information if you do not know the bug ID number:

- a. Choose **Security** from the Select Product Category menu.
- b. Choose the desired product from the Select Product menu.
- c. Choose the version number from the Software Version menu.
- d. Under Advanced Options, choose **Use default settings** or **Use custom settings**. The default settings search for severity 1, 2 and 3 bugs, open and fixed bugs, and only bugs containing bug details. Use the custom settings to change the severity and status parameters, or to search for keywords within the bug headline and description.

Related Documentation

For additional information about the Cisco Video Surveillance IP camera or IP dome, see the *User Guide* for your IP camera or IP dome. User Guides are available at this URL:

This documentation is available at the following URL:

<http://www.cisco.com/en/US/products/ps6712/index.html>

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information about obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and recommended aliases and general Cisco documents, see the monthly What's New in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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