



Release Notes for Cisco Video Surveillance Standalone Encoder Firmware Release 1.0.0

June, 2012

These release notes provide important information for the Release 1.0.0 firmware that ships with the Cisco Video Surveillance Standalone Encoder Series.

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Introduction

The Cisco Video Surveillance Standalone Encoders can be used to convert analog video sources into digital formats so they can be integrated into a networked IP-based video surveillance system. The devices can be used in a stacked configuration, or can be rack mounted. A power supply is included with each device.

The Release 1.0.0 firmware includes features that extend the functionality of the following Cisco Video Surveillance Standalone Encoder models:

- CIVS-SENC-4P (4-port encoder)
- CIVS-SENC-8P (8-port encoder)



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Features

Cisco Video Surveillance standalone encoder firmware Release 1.0.0 supports the following features:

- **Video capture**—Supports 4-channel or 8-channel high resolution video capture with a high frame rate.
- **H.264 encoding**—Uses the H.264 compression format, resulting in greatly reduced video file sizes, and conserving valuable bandwidth and storage space.
- **Configurable video streams**—The 4-port model, CIVS-SENC-4P, supports simultaneous dual streams, while the 8-port model, CIVS-SENC-8P, supports a single stream to be transmitted in H.264, MPEG-4, or MJPEG formats. The video stream can also be individually configured with frame rates, resolution, and image quality to meet different platforms or bandwidth constraints.
- **PTZ Interface**—The encoder provides a RS-485 interface to allow for connection to PTZ control units supporting the Pelco-D protocol, in order to control Pan-Tilt-Zoom functions in an external camera or PTZ mount.
- **Web Interface**—The encoders support Internet Explorer® 8.0 web browser for remote setup and administration.
- **Motion detection**—Motion can be detected in up to four designated fields of view by analyzing changes in pixels and generating an alert if motion is detected.
- **VSM Interoperability**—Compatible with Cisco Video Surveillance Manager Version (VSM) Release 6.3.2 MR2 and later software, providing scalability and easy-to-use operation. Additionally, the standalone encoder firmware can be upgraded using the VSM firmware upgrade feature.

Important Notes

PTZ Latency

When using Cisco Video Surveillance Operations Manager (VSOM) to control PTZ on a device that is connected to a Cisco Video Surveillance Standalone Encoder, there may be an end-to-end latency of up to 400 ms. This behavior is expected, particularly when using a Joystick.

Open Caveats

[Table 1](#) describes open caveats.

Table 1 *Caveats Open in this Release*

Identifier	Description
CSCtx99685	CIVS-SENC:Configuring mcastIP on 1 ch stops stream from other ch

You can use the Bug Toolkit to find information about 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

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- 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.
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Related Documentation

Additional Cisco Video Surveillance Standalone Encoder Series documentation, including a quick start guide, a user guide, and regulatory compliance and safety information is available at: http://www.cisco.com/en/US/products/ps12242/tsd_products_support_series_home.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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