

**Products:** EVC100/EVC130/EVC130P/EVC150

**Firmware Version:** 00.01.16.40

**Published Date:** April 10<sup>th</sup>, 2020

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## Revision History and System Requirement

Firmware Version	Region	Date	Model
00.01.16.40	WW	April 10 <sup>th</sup> , 2020	EVC100/EVC130/EVC130P/EVC150
00.01.16.36	WW	Sep 10 <sup>th</sup> , 2019	EVC100/EVC130/EVC130P/EVC150
00.01.16.35	WW	Jan 23 <sup>th</sup> , 2019	EVC100/EVC130/EVC130P/EVC150
00.01.16.30	WW	June 15 <sup>th</sup> , 2018	EVC100/EVC130/EVC130P/EVC150
00.01.16.27	WW	May 9 <sup>th</sup> , 2018	EVC100/EVC130/EVC130P/EVC150
00.01.16.02	WW	March 31 <sup>th</sup> , 2018	EVC100/EVC130/EVC130P/EVC150
00.01.14.50	WW	Dec 29 <sup>th</sup> , 2017	EVC100/EVC130/EVC130P/EVC150
00.01.14.46	WW	Oct 16 <sup>th</sup> , 2017	EVC100/EVC130/EVC130P/EVC150



## **Important Notice**

1. Both camera and codec have their own applications, and we will upgrade all or part of them each system upgrade, so please connect the default camera to your AVer VC system before upgrading it.
2. During system upgrade, please DON'T turn off the power or unplug the USB flash drive for any reasons.
3. WebTool doesn't support IE8 and older versions.
4. Downgrading firmware to any older version is prohibited.
5. In a video conferencing, we can't transmit both H.264 baseline and high profile videos at the same time. If a user only allows receiving H.264 high profile video but others choose H.264 baseline video, that user will receive no videos because our AVer VC system will only send H.264 baseline videos. To avoid such kind of embarrassment, we highly suggest users to enable H.264 baseline and high profile supports simultaneously.
6. In a video conferencing, we can't transmit both H.263 and H.263<sup>+</sup> videos at the same time. If a user only allows receiving H.263<sup>+</sup> videos but others choose H.263 videos, that user will receive no videos because our AVer VC system will only send H.263 videos. To avoid such kind of embarrassment, we highly suggest users to enable H.263 and H.263<sup>+</sup> supports simultaneously.
7. Playback is not supported on EVC series when users try to play a video recorded by HVC series.
8. To improve H.263+ stability and compatibility, we change some fundamental encoding blocks, so any firmware older than 01.08.84 MUST upgrade to 01.08.84, and then latter firmware. You can download 01.08.84 via our website:  
<http://communication.aver.com/DownloadFile.aspx?n=2965|18B2DB67-7A8A-4600-8E5D-66441B8D58BF&t=ServiceDownload>
9. H.264 SVC will be applicable ONLY between EVC series devices as well as by bandwidth lower than 2Mbps and illuminance higher than 10lux.
10. Please refer the updated compatible list via the following link: <http://communication.aver.com/page/compatibility>
11. When the user use the older than 01.12.61 firmware version, and upgrade to the newer firmware. There will happen the system volume be increased after the first time system reboot. Please modify the suitable volume level one-time based on your use environment.



## Upgrade Instructions

Before upgrade:

1. Prepare one USB flash drive with available spaces over 200MB.
2. Download the ZIP file from AVer website, unzip it and save the DAT file in the USB flash drive.  
*Tips: 2 files are included in the ZIP file – firmware and release notes. You can check the MD5 checksum of firmware (\*.dat) to make sure file integrity before you save it in the flash drive.*


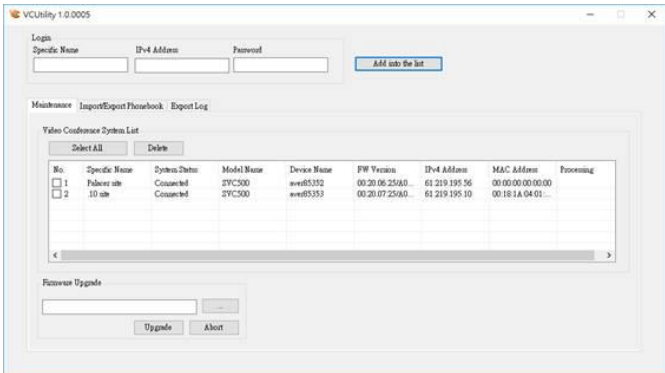
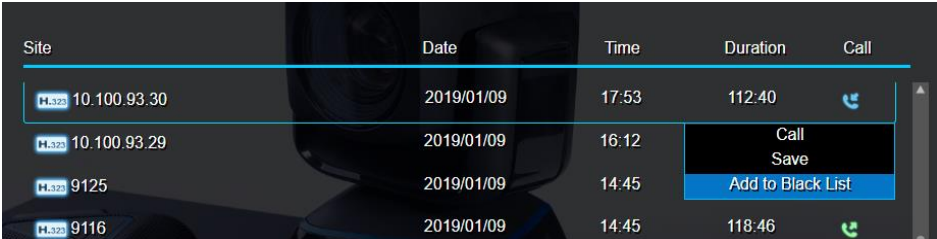
File name	MD5 checksum
00.01.16.40.dat	49e9c25709362fab55a0347c8284545d

Upgrade instructions:

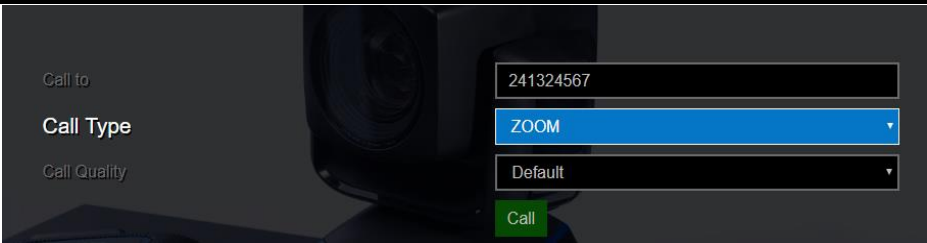
1. Turn on your AVer VC system and wait for system startup completion.  
*Tips: it will take 2 minutes to complete the whole startup process.*
2. Insert the USB Flash drive into a USB Port of AVer VC System.  
*Tips: Inserting an USB flash drive into AVer VC system before completion of the startup process will result in startup failure, so please DON'T do it.*
3. AVer VC system will detect and install the firmware from the USB flash drive automatically.
4. AVer VC system will restart itself to finalize firmware upgrade.  
*Tips: Before rebooting system, AVer VC system will delete firmware (\*.dat) in the USB flash drive.*

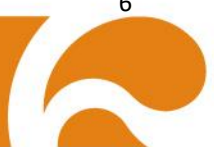


## New Features

Firmware Version	New Features
00.01.16.40	1. <b>Encryption symbol:</b> Display a secure connection symbol  on the screen when connecting using encryption (AES/SRTP).
00.01.16.35	1. <b>Support VCUtility software:</b> Please download this software from below link, or find this link from the AVer download center of EVC and SVC series. This app will allow you to <ol style="list-style-type: none"> <li>Upgrade firmware on multiple units at once</li> <li>Import/export phonebook</li> <li>Export system logs</li> </ol> <p><a href="http://communication.aver.com/DownloadFile.aspx?n=4710 95E67986-77E3-4F9E-ADD5-E84B0285193B&amp;t=ServiceDownload">http://communication.aver.com/DownloadFile.aspx?n=4710 95E67986-77E3-4F9E-ADD5-E84B0285193B&amp;t=ServiceDownload</a></p>  <p>The screenshot shows the VCUtility 1.0.0005 application window. It has a 'Logs' section with input fields for 'Specific Name', 'IPV4 Address', and 'Password', and an 'Add into the list' button. Below is a 'Maintenance' section with 'Import/Export Phonebook' and 'Export Log' options. The main area is a 'Video Conference System List' table with columns: No., Specific Name, System Status, Model Name, Device Name, FW Version, IPV4 Address, MAC Address, and Processing. The table contains two rows of data. At the bottom, there is a 'Firmware Upgrade' section with an input field and 'Upgrade' and 'Abort' buttons.</p>
	2. <b>Blacklist management:</b> To filter out specific IP and annoying Spam calls, you can add in blacklist list from the call history page. Please go to Phonebook > Blacklist management
	 <p>The screenshot shows a call history table with columns: Site, Date, Time, Duration, and Call. The table has four rows of data. A context menu is open over the second row, showing options: 'Call', 'Save', and 'Add to Black List'.</p>
	3. <b>3rd-Party Cloud Meetings:</b> For H.323 3rd-party cloud call function, after enabling this function, you can select 3rd-party cloud meeting from the call type list, and enter the “Meeting ID” at “Call to” column to connect the H.323 3rd-party cloud meeting. For example Zoom, Bluejeans, Trueconf... Please go to Phonebook > 3rd-Party Cloud Meetings



	
00.01.16.30	<ol style="list-style-type: none"> <li>1. [System] Support FEC (Forward Error Correction): To recover from commonly occurring bit-error cases and thus reduce the effective packet loss rate between AVer SVC / EVC series. Adds redundancy (FEC steam) to the transmitted data to allow the receiver to detect and correct errors (within some limits) without the need to resend any data. Please go to Settings &gt; General Setting &gt; System Setting &gt; Enable FEC (Forward Error Correction).</li> <li>2. [System] Enhance the audio performance for superior voice clear and Acoustic Echo Cancellation (AEC).</li> </ol>
00.01.16.02	<ol style="list-style-type: none"> <li>1. [System] Update the latest version of OpenSSH.</li> </ol>
00.01.14.46	<ol style="list-style-type: none"> <li>1. [Applications] Limit the maximum number of any bandwidth connections to 30fps.</li> <li>2. [Applications] H.239 Hole Punching: For H.323 call type, if the sending presentation side in firewall and not open the firewall port, you can use the feature to receive a presentation, this function setting at Settings -&gt; Network -&gt; Firewall -&gt; Enable H.239 Hole Punching.</li> </ol>



## Problems Fixed

Firmware Version	Problem Fixed
00.01.16.40	1. The position of the camera is abnormal after power on.
00.01.16.36	1. The phonebook or History download feature does not respond in the Chrome browser.
00.01.16.30	1. Once FEC feature is enabled, SRTP and AES do not allow the setting are enable at the same time.
00.01.16.27	1. Fixed the audio problem when point-to-point connection between EVC 150 and Lifesize EP with AAC-LD and G.722.1C.
00.01.16.02	1. Compatibility SIP call connection with Cisco Expressway. 2. Modify the path of the LDAP temporary file, to prevent the function failure when the file system is changed to Read Only.
00.01.14.50	1. Fixed FECC(Far end camera control) compatibility with CISCO SX series. 2. Fixed VGA IN resolution of 1280x768, the bottom of the screen there will be a noise display. 3. Fixed eCom PTZ camera image over exposure when camera focus on strong light source long time. 4. Fixed when user press the mic unmute button, the first second of the sound will not be heard in Far side. 5. When sending a presentation, if you change the ratio of the content, there may be keep the residual picture.
00.01.14.46	1. Bug issue with a specific machine, to solve a problem with a microphone to receive the voice failure. 2. Compatibility issues with Cisco SX20 AAC-LD, to solve SX20 side cannot hear the voice from EVC side. 3. With SIP call type connection, some situations sent to the wrong G.722.1C format.
00.01.14.40	1. Speaker output selected "Auto", and boot system with connected HDMI-1 monitor, then change monitor connection from HDMI-1 to HDMI-2, there will be no sound output. 2. Solve the black screen display cannot back to normal image, once the standby mode be enabled and turn-off power directly.
00.01.14.31	1. To solve the recording function failed for "USB storage device removed".
00.01.14.24	1. The Image greenish problem for eCam PTZ II camera. 2. Prevent BFCP client crash when receiving the pending message. 3. Improved compatibility with Pexsip system with BFCP presentation. 4. Enhancement H.239 content image quality in lower bandwidth when connecting a device without enough streaming buffer. 5. Modify Fixed camera show digital zoom number level incorrect.







## Known Issues

Firmware Version	Known Issues
00.01.16.02	1. Due to EVC series implement new Nand-Flash component, so this version firmware cannot downgrade firmware to older version. (For Example: 16.02 -> 14.xx).
00.01.14.46	1. Because EVC contains more and more functions, the internal memory of EVC maybe not enough memory to execute ISP. So, may update the new firmware version, there will be updated failure. Please use a clean USB disk (to format it as FAT32 and then copy ISP new firmware file) to do the upgrade.
00.01.14.24	1. When MIC input source setup at "MIC in", please set up AVer's MIC connect to EVC always, otherwise the remote side will hear the abnormal voice.
00.01.12.81	1. When the user can't see "SIP Only Voice" features after 10.12.81 firmware version, please update the phonebook of EZJoin once then reboot the system to fix it.
00.01.12.61	1. When the user use the older than 01.12.61 firmware version, and upgrade to the newer firmware. There will happen the system volume be increased after the first time system reboot. Please modify the suitable volume level one-time based on your use environment.
00.01.10.07	1. In some circumstances, the frame rate can't reach 30fps if users choose H.264 SVC for video conferencing connections.

