

**Products:** EVC170

**Firmware Version:** v00.30.04.07

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## Revision History and System Requirement

Firmware Version	Alias	Region	Date	Model
00.30.04.07		WW	JAN 28th, 2021	EVC170
00.30.02.06		WW	March 26th, 2020	EVC170
00.30.02.02		WW	October 15th, 2019	EVC170
00.30.00.12		WW	June 28th, 2019	EVC170



## **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 older version is prohibited. (For Example: 02.xx -> 00.xx, 04.xx -> 02.xx, 06.xx -> 04)
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. H.264 SVC will be applicable ONLY by bandwidth lower than 2Mbps and illuminance higher than 10lux.
8. Please refer the updated compatible list via the following link: <http://communication.aver.com/page/compatibility>
9. Upgrade new firmware to increase new feature, it's possible need to clear your browser's cookie temporary internal files for the Webtool feature fully displayed.



## 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: 1 files are included in the ZIP file – firmware. 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
00.30.04.07.dat	7be63d06db319cec5820240c969eb602

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
00.30.04.07	<p><b>[Applications]Add remote APIs following:</b></p> <ul style="list-style-type: none"> <li>Video/ChangeOsd/MainDisplay</li> <li>Video/ChangeOsd/SubDisplay</li> <li>Camera/InputSource/Camera</li> <li>Camera/InputSource/Content</li> <li>Audio/UnMute</li> <li>Audio/Mute</li> <li>Video/LocalPIptime</li> <li>Video/SwitchMonitor/Dual</li> <li>Video/SwitchMonitor/Single</li> </ul>
00.30.02.02	<p>[Applications] Smart Frame: AVer SmartFrame is an advanced auto-focus technology that removes any need for FOV adjustment when capturing a single person or a group. Press and hold  button from the remote controller to start this function. Please go to Setting &gt; Video/Audio &gt; Camera &gt; Enable Smart Frame.</p> <p>[Applications] Multipoint license: Support 2, 4 point multi-point licenses for up to a maximum of 6 points. Please see the upgrade page at Setting &gt; General Setting &gt; License at the WebTool.</p> <p>[Applications] WebRTC: You can enter the EVC170's WebRTC URI link in Chrome or Firefox browser command line, then you can make a quickly web real-time communication conference. (License is required)</p> <p>[Applications] 8M call quality: Maximum call quality in EVC170.</p>

## Problems Fixed

Firmware Version	Problem Fixed
00.30.04.07	1. <b>WebRTC system is more stable when switching camera source.</b>
00.30.02.06	1. Compatible H.239 content with EVERGREEN and Codian MCU.
00.30.02.02	<ol style="list-style-type: none"> <li>1. After the system does the booting, the camera wrong moves it up.</li> <li>2. After the system does the default setting, the camera wrong focus on the camera upside position.</li> </ol>



## Known Issues

Firmware Version	Known Issues
00.30.04.07	1. Due to the hardware implement a new UART and Nand-Flash components, so this version firmware can't downgrade to the older version. (For Example: 04.17 -> 02.02)
00.30.02.02	1. Because EVC170 implements the SmartFrame feature, so this version firmware cannot downgrade to the older version. (02.02 -> 00.12)
00.30.00.12	1. Don't support WebRTC and Multi-point license upgrade. 2. Don't support SmartFrame.

