**Products:** VC520 Pro2 / Expansion Speakerphone

**VC520 Pro2 Firmware Version:** 0.0.7204.22
**VC520 Pro expansion speakerphone:** v0.0. 8002.14
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## Content

# Revision History and System Requirement

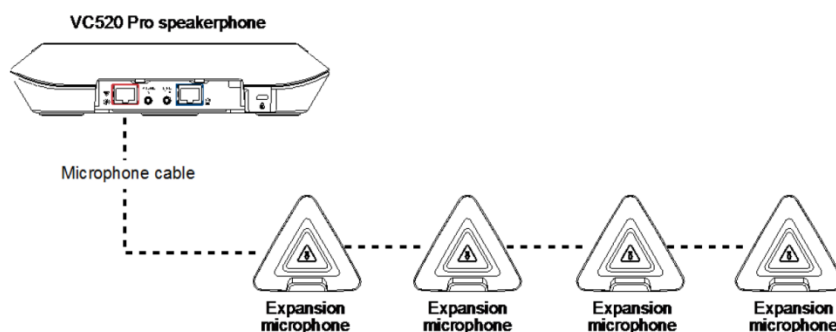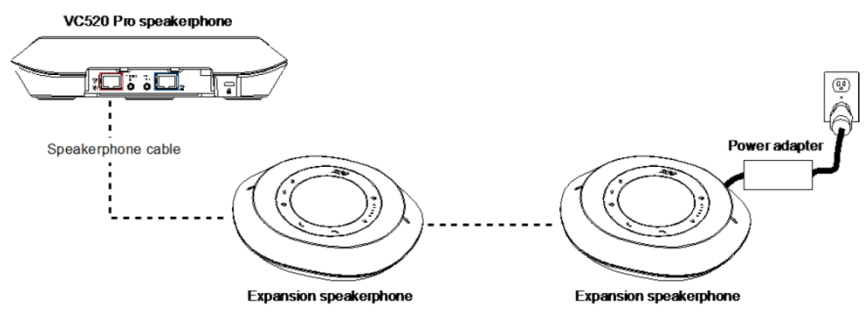| Firmware Version | Region | Date | Model |
|---|---|---|---|
| 0.0.7204.22 | WW | Oct. 3, 2023 | VC520 Pro2 |
| 0.0.7204.21 | WW | June 5, 2023 | VC520 Pro2 |
| 0.0.7204.16 | WW | January 31, 2023 | VC520 Pro2 |
| 0.0.7204.14 | WW | November 11, 2022 | VC520 Pro2 |
| 0.0.7204.06 | WW | June 17, 2022 | VC520 Pro2 |
| 0.0.7204.04 | WW | May 5, 2022 | VC520 Pro2 |
| 0.0.7200.92 | WW | December 1, 2021 | VC520 Pro2 |
| 0.0.7200.80 | WW | July 26, 2021 | VC520 Pro2 |
| 0.0.7200.78 | WW | July 8, 2021 | VC520 Pro2 |
| 0.0.7200.64 | WW | March 23, 2021 | VC520 Pro2 |
| 0.0.8000.10 | WW | June 11, 2020 | VC520Pro expansion speakerphone |

# Important Notice

### VC520 Pro2

1.  PTZApp2 should be upgraded to v. 2.0.1038.39 (MAC); v. 2.0.1055.56 (Windows) to get full functions.
2.  The smart frame detection distance is up to 7~10 meters. If more than 10 meters, the accuracy may drop.
3.  H.264 IP video streaming supports Windows 7 &10. (not supports Windows 8.1)
4.  During system upgrade, please DON'T turn off the power for any reasons.


### Expansion speakerphone

1.  Requirements VC520 Pro2 Firmware version: v7200.64 or later
2.  The expansion speakerphone cannot be the main speakerphone; it can only be used with the VC520 Pro2.
3.  The VC520 Pro2 can support up to two expansion speakerphones, however, the daisy-chain expansion cable cannot exceed over 40m in total.
4.  Please connect the power supply for the expansion speakerphone when daisy-chaining over 20m.
5.  Please connect the power supply when upgrading the firmware for the expansion speakerphone.
6.  The speakerphone cables and power adapter will be included in the package contents.
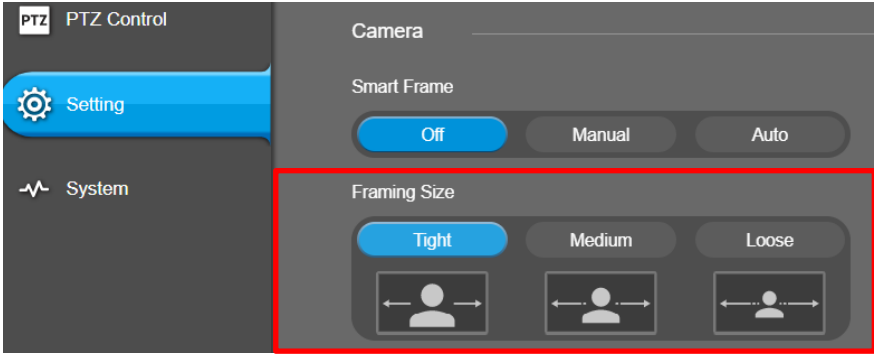
# New Features

**VC520 Pro2**

| Firmware Version | New Features |
|---|---|
| 0.0.7204.14 | 1. Add VISCA command:<br>   ▪ Mute, Volume<br>   ▪ Inquiring Tracking Status<br>2. Get People Counting Information via VISCA over IP<br>3. New Model Support for Preset Link (IP Mode)<br>   ▪ Yamaha RM-CR, RM-CG, RM-TT<br>4. Removed default password of RTSP for privacy<br>5. Will Change Tracking Mode to "Manual Frame" once user manually set PTZ |
| 0.0.7204.06 | 1. Support Smart Gallery feature (*it requires PTZApp2 running in computer)<br>2. Improved Preset feature |
| 0.0.7204.04 | 1. Support big data<br>2. Add VISCA command: Power-Reset; Power_On/Off, Preset framing tracking<br>3. Improve remote control sensitivity<br>4. Improve auto frame accuracy performance<br>5. Support hostname editing in IP web page<br>6. Support SSL on/off in PTZApp2<br>7. Support Preset link via IP for audio tracking with Shure and Sennheiser<br>Please use latest PTZApp2 to enable functions of #2, 6, 7. |
| 0.0.7200.92 | 1. Support setting preset point with manual focus adjustment.<br>2. Support H.265 RTSP<br>3. Support total zoom up to 24x<br>4. Support DHCP hostname information (default is camera model name)<br>5. Change load/set preset UX behavior in IP page and PTZApp2 |
| 0.0.7200.80 | 6. Change framing size description: change "Loose" to "Wide"<br>7. Image default setting change |
| 0.0.7200.78 | 1. Add "framing size" function. When auto framing, the zoom in size has different options so that the new comers can be detected for different using scenario. Please upgrade PTZApp2 to the latest version to have this function. |

**Tight** (default): It provides a close-up view of meeting participants.

**Medium**: It provides Establishes a medium view of meeting participants.

**Loose:** It provides a wide view of meeting participants.

2. Change people count behavior. When streaming is off, people counting function keeps running so that 3rd party app still can get the data.

3. When under auto frame mode, whenever the USB streaming is on, camera will trigger framing detection for once no matter there is people or not.

4. Enhance Auto focus speed, especially when people are in front of whiteboard/ TV screen.

5. Enhance WDR performance.

| | |
|---|---|
| 0.0.7200.64 | 1. Improve sensitivity of Preset framing function and image clarity. |

Expansion Speakerphone

| Firmware Version | New Features |
|---|---|
| 0.0.8000.10 | 1. Connected VC520 Pro2 firmware requirement: V.7200.64 or later |

# Problems Fixed

| Firmware Version | Problem Fixed |
|---|---|
| 0.0.7204.22 | Fix Tracking Mode incorrect after reboot |
| 0.0.7204.21 | Fix Microphone Pickup Issue in certain PC |
| 0.0.7204.16 | Fix Flicker Decrease on IFP setting issue |
| 0.0.7204.06 | Enhanced memory allocation mechanism |
| 0.0.7204.04 | 1. Fix "load preset" position accuracy issue<br>2. Fix audio reboot issue when using VISCA command to reboot VC520 Pro2 |
| 0.0.7200.92 | 1. Improve audio disconnection problem that may occur in some devices.<br>2. Fix the "lost focus issue" while loading a preset point which is set by manual focus method. |

| 0.0.7200.80 | 1. Fix Static IP issue |
| | 2. Fix video transform issue when 4:3 aspect ratio is selected |
| 0.0.7200.78 | 1. Modify the audio speakerphone detection mechanism to fix the sound function may fail after using it for a period of time on certain computers*. <br> * Please be noted that if your speakerphone doesn't connect status or no power after the system beginning power-on, it does not belong to this abnormal situation, please check your hardware device and the environment again. |
| 0.0.7200.64 | 3. Fix bugs on framing proportion. |

## Known Issues

| Firmware Version | |
| --- | --- |
| 0.0.7204.04 | None |
| 0.0.7200.64 | 1. When RTSP and RTMP used at the same time, the camera video will be damaged and the sound will be incomplete. |
| | 2. RTSP uses 60fps and above 4M performance, the camera and sound will be abnormal. |
| | 3. The first use of RTSP after booting will require two operations. |