



**Products:** CAM520

**Firmware Version:** 0.0.0018.08

**Published Date:** April 20th, 2018

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## Revision History and System Requirement

Firmware Version	Region	Date	Model
0.0.0018.08	WW	April 20, 2018	CAM520
0.0.0018.02	WW	October 30, 2017	CAM520
0.0.0016.24	WW	May 2, 2017	CAM520
0.0.0016.16	WW	December 2, 2016	CAM520
0.0.0016.06	WW	August 5, 2016	CAM520
0.0.0014.02	WW	June 30, 2016	CAM520
0.0.0012.16	WW	April 8, 2016	CAM520
0.0.0012.00	WW	March 8, 2016	CAM520
0.0.0010.32	WW	December 23, 2015	CAM520
0.0.0010.26	WW	November 11, 2015	CAM520
0.0.0010.22	WW	October 15, 2015	CAM520
0.0.0010.08	WW	September 2, 2015	CAM520



## **Important Notice**

1. Downgrading firmware to any older version is prohibited.
2. H.264 video codec support Windows 7, doesn't support Windows 8.1
3. During system upgrade, please DON'T turn off the power for any reasons.
4. If speakerphone connected improperly, please re-connected correctly and it will take 3 seconds to reset.
5. When the speakerphone was excessive movement or environmental change. Speakerphone needs about 5 seconds to relearn AEC function.
6. PTZApp must be upgraded to v1.2.1023.28 in order to select the type of remote control used.
7. Device will be assigned unique identification to conform to USB2.0 detection rule starting from v0.0.0014.02 (all devices will be detected when plugged in for the first time).



## New Features

Firmware Version	New Features
0.0.0018.08	None
0.0.0018.02	<ol style="list-style-type: none"> <li>1. modified the continuous set zoom &amp; focus position</li> <li>2. fine tune AF performance</li> <li>3. Improve video quality</li> </ol>
0.0.0016.24	None
0.0.0016.16	<ol style="list-style-type: none"> <li>1. Support 18X zoom</li> <li>2. Add Sleep mode</li> </ol>
0.0.0016.06	<ol style="list-style-type: none"> <li>1. Support AEC/NR enable/disable selection via PTZApp.</li> <li>2. Add Home position selection via PTZApp.</li> <li>3. Add Suspend position selection via PTZApp.</li> <li>4. Support UAC 32K/48K sampling rate.</li> <li>5. Improve Audio quality. *PTZApp must be upgraded to v1.2.1030.32</li> </ol>
0.0.0014.02	<ol style="list-style-type: none"> <li>1. Supports Zoom app new far-site control PTZ function.</li> </ol>
0.0.0012.16	<ol style="list-style-type: none"> <li>1. Supports *FaceLumi function on advanced remote control.</li> </ol>
0.0.0012.00	<ol style="list-style-type: none"> <li>1. Improves zoom in &amp; out auto focus behavior.</li> </ol>
0.0.0010.32	<ol style="list-style-type: none"> <li>1. Improves preset moving speed and zoom in &amp; out speed.</li> <li>2. Defines different minimum moving steps for different zoom-in ratio.</li> </ol>
0.0.0010.26	None
0.0.0010.22	None
0.0.0010.08	<ol style="list-style-type: none"> <li>1. Supports the new driver for 2<sup>nd</sup> speakerphone.</li> </ol>

\*FaceLumi: Enhance facial features by correcting skin tone and activates auto focus and auto exposure.



## Problems Fixed

Firmware Version	Problem Fixed
0.0.0018.08	Fix camera swing issue at Chrome box
0.0.0018.02	None
0.0.0016.24	None
0.0.0016.16	Fixed remote control pan movement
0.0.0016.06	None
0.0.0014.02	None
0.0.0012.16	None
0.0.0012.00	None
0.0.0010.32	None
0.0.0010.26	1. Modified fine tune high band noise reduction 2. Modified variable step distance for different zoom ration.



## Known Issues

Firmware Version	Problem Fixed
0.0.0018.08	None
0.0.0018.02	None
0.0.0016.24	None
0.0.0016.16	None
0.0.0016.06	None
0.0.0014.02	None
0.0.0012.16	None
0.0.0012.00	None
0.0.0010.32	None
0.0.0010.26	None

