



CE-SDI-01

Product Release Notes

Feature Release



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Revision 2.0

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About Wellav

Wellav Technologies Ltd. is a leading global provider of professional video delivery solutions. The company is committed to developing and manufacturing world-class video processing, monitoring equipments and solutions to help video service providers address real business challenges in video distribution via HFC and IP-based network. The company is headquartered in Huizhou, China with 500 employees in 2 operation centers and over 10 regional sales/support offices around different continents. With global service, Wellav provides system integration and technical expertise to support more than 2000 CATV, FTTH, IPTV/OTT, Satellite/Terrestrial, Broadband service providers to deliver high-quality video programs to hundred millions of viewers around the world. More information about Wellav is available at the company's website, www.wellav.com.

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Revision History

Date	Revision	Description	Author
1/3/2022	1.0	1.4.23 Release Notes	RF
19/4/2022	1.1	1.5.0 Release Notes	RF
27/10/2022	1.2	1.5.3 Release Notes	RF
21/11/2022	1.3	1.5.4 Release Notes	RF
14/12/2022	1.4	1.5.5 Release Notes	RF
25/6/2023	1.5	1.6.0 Release Notes	RF
15/12/2023	1.6	1.6.2 Release Notes	RF
25/3/2024	1.7	1.6.3 Release Notes	RF
11/5/2024	1.8	1.6.4 Release Notes	RF
20/5/2024	1.9	1.6.5 Release Notes	RF
17/10/2025	2.0	1.7.2 Release Notes	MM

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Feature Release V1.7.2

Release NO.

CE-SDI-01_V1.7.2.WVUpgrade

Release Date

October 17, 2025

New Features

1. Add baseline option to video encoding profile parameters
2. Add VBR support for video encoding
3. Add Baseline Profile support for video encoding
4. Adapt and implement new customized MAC address
5. Modify the alert criteria for "No audio received"

Resolved Issues

1. Resolve unstable encoding status issues
2. Fix application crash when using CP-EAS-00 fallback content with CE-SDI-01
3. Optimize to resolve "500 - Internal Server Error" on subboard interface after reboot
4. Fix inconsistent alert names between subboard status display and baseboard alarm interface
5. Fixed error when retrieving SDI card status using EAS module

Test Results

positive

Remaining Issues

none

Feature Release V1.6.5

Release NO.

CE-SDI-01_V1.6.5.WVUpgrade

Release Date

Jan 22, 2025

New Features

6. In the status page, the prompt for re-counting is added when you enter and switch channels for the first time to view stream analysis.

Resolved Issues

6. 1080P 60 resolution output, enable CC subtitles, both audio are set to mpeg2 aac or mpeg4 AAC, video normal, audio stutter.

7. The CVBS input does not support AC3 passthrough or OFF. No bit rate is displayed when the audio is switched.

8. Resolved the issue that the Channel Number of the output program under the ATSC standard is restored to the default value due to the modification of the encoding parameter.

9. CE2-SDI-01 performs CC subtitle coding against WST Teletext ES of DVB standard.

Test Results

positive

Remaining Issues

1. Audio IP stream packet loss.

2. The modulation output parameters of QAMB are restored to default after the coding board is reprogrammed

Feature Release V1.6.4

Release NO.

CE-SDI-01_V1.6.4.WVUpgrade

Release Date

May 11, 2024

New Features

None

Resolved Issues

1. Solve the problem that the model name in the upper-left corner of the main interface is inconsistent with the expected OEM customised model name probabilistically when the subboard is restarted and restored to the factory.
2. Solving the problem CE-SDI-01's startup script just started ,and then stopped dropbear
3. Solve the problem that the system time acquired by the subboard is not synchronised with the time setting of the baseboard.

Test Results

positive

Remaining Issues

None

Feature Release V1.6.3

Release NO.

CE-SDI-01_V1.6.3.WVUpgrade

Release Date

March 25, 2024

New Features

1. In the TS analysis page, system will advise user to click the reset counter first.

Resolved Issues

4. When the SDI source is SD program, the volume can't be edited on the Basic Setting.

Test Results

positive

Remaining Issues

1. The audio will have lag issue when both channels set the audio to Mpeg2 AAC or Mpeg4 AAC when enable the CC subtitle.

Feature Release V1.6.2

Release NO.

CE-SDI-01_V1.6.2.WVUpgrade

Release Date

December 18, 2023

New Features

1. When the license date of the module is less than 30 days, the front status light would bright the red light.
2. Modify the Volume value to -20 – 20.
3. Modify the GOP size to 12 - 48.

Resolved Issues

1. Resolved the issue that the HDMI output audio from some decoders would have no audio which is encoded by SDI-01.
2. Resolved the issue that the module IP would be lost while configuring and cause the 500 error on Web.
3. Resolved the issue that the output would be stucked frequently after reboot.

Test Results

positive

Remaining Issues

1. The SDI-00 could not get the correct input type parameter on SNMP.
2. When the module is set the audio to Mpeg2/Mpeg4 AAC format, the audio would be abnormal with some special configuration.

Feature Release V1.6.0

Release NO.

CE-SDI-01_V1.6.0.WVUpgrade

Release Date

June 25, 2023

New Features

1. Rebuilt the version number from V1.5.10 to V1.6.0.
2. Add the restriction on the SNMP that user could not modify the resolution and framerate.

Resolved Issues

1. Add the restriction for the encoded lowest bitrate.
2. Resolved the issue that get the baseinfo on the SNMP tool, the http of the module would be failed.
3. Resolved the issue that when set the AAC output format to LATM, it would be analyzed as ADTS with using the bypass output.
4. Resolved the issue that enable the CC switch and the profile is switched from Main to Baseline, the output has no effective stream.
5. Resolved the issue that the module would recognize the wrong aspect ratio.
6. Resolved the issue that set the profile to Baseline, the output GOP structure and GOP size is inaccurate.

Test Results

positive

Remaining Issues

none



Feature Release V1.5.5

Release NO.

CE-SDI-01_V1.5.5.WVUpgrade

Release Date

December 14, 2022

New Features

none

Resolved Issues

1. Resolved the issue that unplug the SDI signal source cable, the module does not display the red light, but the green light is still on.
2. Resolved the issue that upload the large file to the license feature would occur abnormal or system failure at the unit.

Test Results

positive

Remaining Issues

none

Feature Release V1.5.4

Release NO.

CE-SDI-01_V1.5.4.WVUpgrade

Release Date

November 21, 2022

New Features

1. Newly add write protection for hardware FLASH.
2. Newly add debug page for loading the VIXS kernel version.

Resolved Issues

none.

Test Results

positive

Remaining Issues

1. Plug out the SDI cable, the module doesn't bright the red light.
2. The lowest bitrate was not limited.

Feature Release V1.5.3

Release NO.

CE-SDI-01_V1.5.3.WVUpgrade

Release Date

October 27, 2022

New Features

1. Newly add basic parameter OutputBitrateflag to control whether enable the smooth output. Meanwhile synchronously add the corresponding SNMP feature.
2. Newly add Closed Gop parameter setting.

Resolved Issues

none.

Test Results

positive

Remaining Issues

1. After import the mib file to MIB browser, the description would be another name.
2. The lowest bitrate was not limited.

Feature Release V1.5.0

Release NO.

CE-SDI-01_V1.5.0.WVUpgrade

Release Date

April 19, 2022

New Features

1. Rebuilt the version number from V1.4.23 to V1.5.0.
2. Add Closed Gop parameter configuration.

Resolved Issues

1. Resolved the issue that while the coded format is MPEG2, the network management couldn't automatically configure the resolution so that the output stream would buffer
2. Resolved the issue that while the encoding bitrate set to 5M, the delay is higher than 5s. (MPEG 2 By-pass only)
3. Resolved the issue that after restoring to default, the default parameter is incorrect.
4. Resolved the issue that the sub-board couldn't get a part of parameter of SNMP.
5. Resolved the issue that after pulling out the signal, the Weusi would still remain the bitrate information.
6. Resolved the issue that the Volume button on the network management didn't work for the volume of the actual coded output.

Test Results

positive

Remaining Issues

1. Click the audio parameter "select all" box, there should not select the "smooth output" on the video parameter.



Feature Release V1.4.23

Release NO.

CE-SDI-00-SDI-01-CVBS-03_V1.4.23_S16184_F761_W16177_20211217.WVUpgrade

Release Date

January 20, 2022

New Features

1. Made indicator light work normally.
2. Defined a new HW version number since changing the PHY.

Resolved Issues

1. Resolved the issue that it maybe not able to access WebGUI when losing PHY configuration.

Test Results

positive

Remaining Issues

none



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