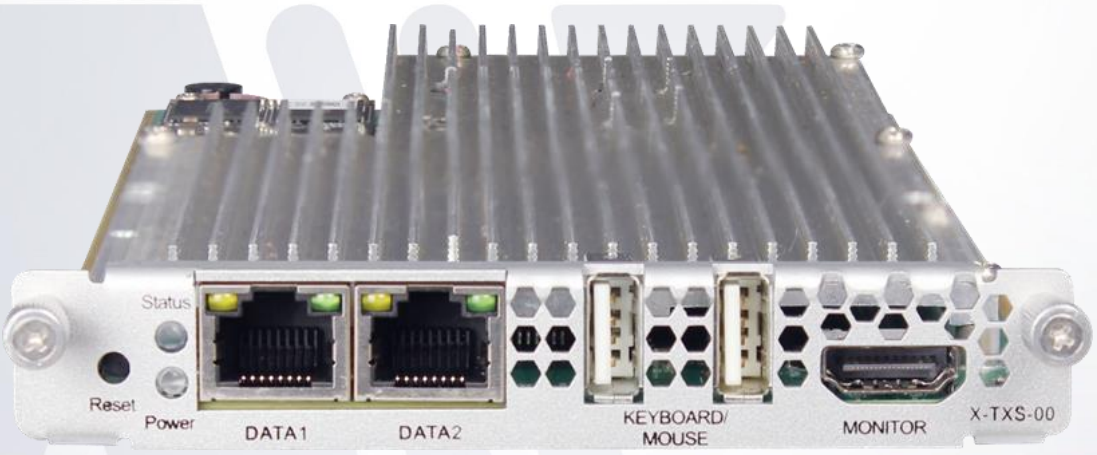
CX-TXS-00 Module

Product Release Notes

Feature Release



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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
17/10/2022	1.0	1.5.0-10176 release notes	RF
25/11/2022	1.1	1.5.1-10215 release notes	RF
26/4/2023	1.2	1.5.3-10343 release notes	RF
9/6/2023	1.3	1.6.0-10360 release notes	RF
7/11/2023	1.4	1.6.0-10732 release notes	RF
18/4/2024	1.5	1.6.3-10816 release notes	RF

Table of Contents

Feature Release V1.6.3-10816 ..... - 3 -

Feature Release V1.6.0-10732 ..... - 4 -

Feature Release V1.6.0-10360 ..... - 5 -

Feature Release V1.5.3-10343 ..... - 6 -

Feature Release V1.5.1-10215 ..... - 8 -

Feature Release V1.5.0-10176 ..... - 9 -

Feature Release V1.6.3-10816

Release NO.

CX-TXS-00_V1.6.3-10816.WVUpgrade

Release Date

April 18, 2024

New Features

1. Newly add the AVS+ software encoding
2. Newly add the DRA audio format
3. Newly add the Audio Delay feature.

Resolved Issues

1. Resolved the issue that after use select the GPU to transcode the program, the module is still using the CPU.
2. Resolved the issue that the GPU size will show negative number on the status and system setting page.

Test Results

positive

Remaining Issues

1. The SNMP file is incomplete.
2. When upgrade the same version multiple times, the module will have the risk that it will keep rebooting.

Feature Release V1.6.0-10732

Release NO.

CX-TXS-00_V1.6.0-10732.WVUpgrade

Release Date

November 7, 2023

New Features

1. Newly add encoder and decoder configuration selection on the output setting.

Resolved Issues

1. The audio bitrate maximum value change to 384kb on the output configuration.
2. The module would use GPU to transcode by default.

Test Results

positive

Remaining Issues

1. When user sets the VLAN for the CMP MGMT and DATA port, these 2 port could not be in the same switch.

Feature Release V1.6.0-10360

Release NO.

CX-TXS-00_V1.6.0-10360.WVUpgrade

Release Date

June 9, 2023

New Features

1. Newly add AAC-LC audio type on the audio encoding.

2. Modify the AAC selection name to AAC-MAIN.

Resolved Issues

1. Resolved the issue that on the output setting, when the output ports are different but the IP address are not, issued the command would occur the conflict prompt.

2. Resolved the issue that when using H.265 transcoding output, the tsb would have no output after user select the pass or generate on data table mode.

Test Results

positive

Remaining Issues

1. The generated time of the backup configuration doesn't match the actual time

2. Transcoding the motion stream with P frame, the picture would be a little tearing sensation.

Feature Release V1.5.3-10343

Release NO.

CX-TXS-00_V 1.5.3-10343.WVUpgrade

Release Date

April 26, 2023

New Features

1. The rotation training time of resource module is changed to every 10 seconds。

2. Newly add the system resource status on the Web (CPU/Memory/GPU)

3. Change the position of device running time on the status page.

4. The network port name: Eth is reflected to Data.

5. Add the Copy mode on the output setting Audio Codec.

6. Change the PID information from hexadecimal to decimal on the input detail information for the status page.

7. Add the percentage progress on the bar when import or upgrade files.

8. Remove the restriction of the module could not be upgraded under reverse proxy mode.

9. Change the COPY to Pass-Through on the Data Table Mode and the audio, subtitle encoding type.

10. When change the audio encoding type from none to Pass-through, the audio bitrate and the sample rate couldn't be edited.

11. Rename the Volume Offset to Audio Loudness.

12. Newly add the AC3 and E-AC3 to authorization control.

13. Change AC3+ to EAC3 on the audio encoding。

14. Newly add Audio Channels selection

15. Change the default value on Data Table Mode to Pass-through.

16. Modify the alarm description.

Resolved Issues

1. Resolved the issue that it would report error when user enter the output page.

2. Resolved the issue that when module is on full load mode, the module would show loading status when the serial port fails to obtain an IP address.

3. Resolved the issue that the fans do not work properly because the module report the abnormal temperature when on the full load mode.

4. Resolved the issue that the packed system log file is too large, resulting in a timeout issue.

5. Resolved the issue that when access the module NMS, it would probably occur the failure message while acquiring the resource and module information.

6. Resolved the issue that when the input audio has no language description, the module would display the information abnormally.

7. Resolved the issue that when the MRD7000 receive the transcode UDP output stream from CX-TXS-00, the decoded output would have a lot of mute errors。

8. Resolved the issue that the module couldn't acquire the input service name.

9. Resolved the issue that the module displays wrong cue word on the Web while rebooting.

10. Resolved the issue that there is no progress bar in rotation such as restart and reset to default.

Test Results

positive

Remaining Issues

1. The module status page does not display the firmware version number.

2. Generate the backup configuration file, the generated time is not match to the actual time.

Feature Release V1.5.1-10215

Release NO.

CX-TXS-00_V1.5.1-10215.WVUpgrade

Release Date

November 25, 2022

New Features

1. Add Total TS bitrate of the transcoder engine output.
2. Update the log system.
3. Change the text description on module management Web.

Resolved Issues

1. Resolved the issue that after change the IP address on baseboard, the module could not synchronize the IP at the module.
2. Resolved the issue that the encoding bitrate isn't been limited.

Test Results

positive

Remaining Issues

1. The module status page does not display the firmware version number.
2. Import an .img file which is non-configuration file to the module, it would display "setting successfully" when delete the "configuration" file.

Feature Release V1.5.0-10176

Release NO.

CX-TXS-00_V 1.5.0-10176.WVUpgrade

Release Date

October 17, 2022

New Features

1. Newly add the Arp tool.

Resolved Issues

1. Resolved the issue that after enabled reverse proxy and VLAN setting on the baseboard setting, the temperature status is displaying wrong value on the module.

2. Resolved the issue that using baseboard output to feed the Unicast stream to the eth2 port, the module would have a low possibility that could not receive the stream.

3. Resolved the issue that after enable Vlan on the baseboard, the stream which is transmitted between CP-IP-00 and CX-TX-00 is unstable.

4. Resolved the issue that modify the Vlan on the input setting does not take effect.

Test Results

positive

Remaining Issues

1. When the baseboard IP address and the default gateway is not in the same segment, user couldn't configure the IP address for the external port.

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