UMH160U-IG

Product Release Notes

Feature Release

April 2023

Copyright

©2004-2022 Wellav Technologies Ltd. All rights reserved.

No.1, Shunchang Road, Huinan Hi-Tech Industrial Park, Zhongkai Hi-Tech Development Zone, Huizhou, Guangdong, China 516025

www.wellav.com

This publication contains confidential, proprietary, and trade secret information. No part of this document may be copied, photocopied, reproduced, translated, or reduced to any machine-readable or electronic format without prior written permission from Wellav. Information in this document is subject to change without notice and Wellav Technologies Ltd. assumes no responsibility or liability for any errors or inaccuracies. Wellav, Wellav Technologies Ltd., and the Wellav logo are trademarks or registered trademarks in the United States and other countries. All other products or services mentioned in this document are identified by the trademarks, service marks, or product names as designated by the companies who market those products. Inquiries should be made directly to those companies. This document may also have links to third-party web pages that are beyond the control of Wellav. The presence of such links does not imply that Wellav endorses or recommends the content on those pages. Wellav acknowledges the use of third-party open source software and licenses in some Wellav products. This freely available source code can be obtained by contacting Wellav Technologies Ltd.

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.

All trademarks and registered trademarks mentioned herein are the property of their respective owners.
farg

Revision History

Date	Revision	Description	Author
8/15/2022	1.0	1.1.0 Release Notes	RF
11/3/2022	1.1	1.1.2 Release Notes	RF
1/4/20233	1.2	1.1.3 Release Notes	RF

Table of Contents

Feature Release V1.1.3 .....- 3 -

Feature Release V1.1.2 .....- 4 -

Feature Release V1.1.0 .....- 5 -

Feature Release V1.1.3

Release NO.

UMH160UIG_1.1.3.WVUpgrade

Release Date

April 1, 2023

New Feature

1. Newly add decode output resolution: 720x480i59.94.
2. Newly add output format: SD 4:3.

Resolved Issues

1. Resolved the issue that when multiplexes different streams from different sources, the output would have Priority2 PCR accuracy error.
2. Resolved the issue that using public transport protocols can cause excessive CPU usage.
3. Resolved the issue that the decode output would be abnormal while using auto mode to decode the program which under 480P.
4. Resolved the issue that the 16 * 9 input program is identified as 4 * 3 at 480 * 720 resolution.
5. Resolved the issue that when switching streams, there is a small probability that they cannot be decoded.
6. Resolved the issue that couldn't descramble the ts which the ts structure doesn't contain the CA descriptor.
7. Resolved the issue that stuttering audio occurs when converting HLS input to IP output.

Test Results

positive

Remaining Issues

1. UI gets unresponsive.
2. Sometimes receiver doesn't lock HLS streams.

Feature Release V1.1.2

Release NO.

UMH160UIG_1.1.2.WVUpgrade

Release Date

November 4, 2022

New Feature

1. Support BISS descramble feature.
2. Support SNMP feature.
3. Support Cardless CA feature
4. Support logo custom feature.
5. Newly add Link Margin status display at DVB-S2/S2X.

Resolved Issues

1. Resolved the issue that when DVB-S2X tuner receive the total bitrate was higher than 130M, the encoding would be abnormal.
2. Resolved the issue that when switch the SDI output to CVBS output, the SDI output would be grainy screen.
3. Resolved the issue that the descramble status is unstable.
4. Resolved the issue that there’s a low possibility that the subtitle couldn’t display.
5. Resolved the issue that when change the frequency and channel standard, there’s a low possibility that the bitrate is not correct.

Test Results

positive

Remaining Issues

1. Multiplex feature would have PCR accuracy error(low possibility).
2. AVS2 streaming would be stuck.

Feature Release V1.1.0

Release NO.

UMH160UIG_1.1.0.WVUpgrade

Release Date

August 15, 2022

New Feature

1. Support Tuner (Optional).
2. Support encoding(HDMI、CVBS、2 channels SDI、4K、AES\EBU) output.
3. Support 2 groups unbalanced audio output
4. Support 2 channels descramble.
5. Support 4 channels IP input、2 channels IP output (single program)
6. Support multiplexing feature.
7. Support 2 channels ASI input, 2 channels ASI output.
8. Support 2 groups balanced audio output.

Resolved Issues

1. Resolved the issue that under CI descrambling environment and reboot the chassis, the HDMI and SDI output would be not fluent. Switch to other program, the HDMI and SDI output turn to normal.
2. Resolved the issue that use S2 receive tuner would still be locked even receive the stream over 100M, but at Web only display 5、6M.
3. Resolved the issue that reboot the chassis, the status page doesn't display the program name.
4. Resolved the issue that the decoding delay is bigger than 1s.
5. Resolved the issue that the CVBS output would have noise at some specific stream.

Test Results

positive

Remaining Issues

1. Multiplex the stream would have PCR accuracy error.
2. The reboot time and update time are too long.
3. Use the specific stream, it would be choppy after decoding.
4. Use HLS protocol to receive the stream, it would have the PCR error.

Wellav Technologies Ltd.

No.1, Shunchang Road, Huinan Hi-Tech Industrial Park,

zhongkai Hi-Tech Development Zone,

Huizhou, Guangdong, China 516025

www.wellav.com

Copyright ©2004-2022 Wellav Technologies Ltd.