



# CM-QAMA-R02

Product Release Notes

Feature Release



February 2024

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Revision 1.4

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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](http://www.wellav.com).

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## Revision History

Date	Revision	Description	Author
1/3/2022	1.0	1.4.18 Release Notes	RF
30/6/2022	1.1	1.5.0 Release Notes	RF
12/12/2022	1.2	1.5.32 Release Notes	RF
30/10/2023	1.3	1.6.0 Release Notes	RF
4/2/2024	1.4	1.6.4 Release Notes	RF

## Table of Contents

<b>Feature Release V1.6.4 .....</b>	<b>- 3 -</b>
<b>Feature Release V1.6.0 .....</b>	<b>- 5 -</b>
<b>Feature Release V1.5.32 .....</b>	<b>- 7 -</b>
<b>Feature Release V1.5.0 .....</b>	<b>- 8 -</b>
<b>Feature Release V1.4.18 .....</b>	<b>- 9 -</b>



# Feature Release V1.6.4

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## Release NO.

CM-QAMA-02\_V1.6.4.WVUpgradee

## Release Date

February 4, 2024

## New Feature

1. The IP input supports IGMP V3 setting.
2. Modify the output bandwidth range.
3. Optimize the error prompt when the data parameter is illegal on the other descriptor.
4. The SNMP modulation output supports to set the bandwidth.
5. Newly add SDT Other table and the program descriptor.
6. NIT descriptor newly supports to add the program list descriptor and Other descriptor.
7. Modify the continuity count error counting process.

## Resolved Issues

1. Resolved the issue that the module could not lock up the signal when the signal has lots of null packet.
2. Synchronize the IGMP and bandwidth setting on SNMP.
3. Resolved the issue that the module would be failed to switch the IP output port.
4. Resolved the issue that modify the output stream table cause the module reboot.
5. Resolved the issue that reboot the module, the front panel would show red light even the module is normally working.
6. Resolved the issue that insert long byte descriptor data into the NIT network would case the program dead.
7. Resolved the issue that when user deletes some descriptor on the output setting, some other descriptors would be lost.

## Test Results

positive

## Remaining Issues

1. "NaN Mbps" is displayed in input status.

# Feature Release V1.6.0

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## Release NO.

CM-QAMA-02\_V1.6.0.WVUpgradee

## Release Date

October 30, 2023

## New Feature

1. Newly add the total bitrate information to the SNMP feature.
2. Newly add the delete null packet feature.
3. Newly add initializing the CAS parameters feature.
4. Newly add the SI search time feature.
5. Newly add packet length for all the IP input channels.
6. Newly add the feature that user could bypass the program to output without scanning the channels.
7. Newly add the Hex mode for Decimal and Hexadecimal switch.
8. Newly add the feature that user could add, delete or edit the new PMT descriptor.
9. Newly add the TOT table configuration for the IP output.
10. Newly add the ECM PID and EMM PID conflict detection.

## Resolved Issues

1. Modify the flicker mode for the phy light: The left indicator light would be blinking and the right indicator light would be steady on.
2. Resolved the issue that when the module indicator light is showing some status is abnormal (like the bitrate overflow), the baseboard indicator light at the Web would still be green.

## Test Results

positive

## Remaining Issues

1. Not support all the programs use ACData to descramble at the same time.



# Feature Release V1.5.32

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## Release NO.

CM-QAMA-02\_V1.5.32.WVUpgradee

## Release Date

December 12, 2022

## New Feature

1. Newly add 2 status parameters at MIB file.
2. When enable 9-32 channels, the maximum value of the RF level range would be 105dBuv.
3. Newly add the specific source description for the new stream at the input status page.
4. Newly add the CM-QAMA-02 total bitrate、 ethernet port status and RF port status at baseboard status page. .

## Resolved Issues

1. Modify the flicker mode for the phy light: The left indicator light would be blinking and the right indicator light would be steady on.
2. Resolved the issue that when the module indicator light is showing some status is abnormal (like the bitrate overflow), the baseboard indicator light at the Web would still be green.

## Test Results

positive

## Remaining Issues

1. Not support all the programs use ACData to descramble at the same time.
2. The LCN descriptor which was set on the Web didn't take effect at the STB.



# Feature Release V1.5.0

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## Release NO.

CM-QAMA-02\_V1.5.0.WVUpgradee

## Release Date

June 30, 2022

## New Feature

1. Rebuilt the version number from V1.4.18 to V1.5.0.
2. Newly add import/export configuration file function on the system setting.
3. Update the NMS version.
4. Modify the temperature threshold to 80°C.
5. Newly support display the effective bitrate and the selected input port on the input status page.
6. Newly add the input interface to switch front/back panel, retain the original input/output configuration.

## Resolved Issues

1. While open the 32 modulation output channels, configure the modulation mode to 256QAM, configure the electrical level to 105dBuV, part of output channels would have mosaic.
2. Modify the configuration of net gape rate.
3. Resolved the issue that the module would mistakenly restrict the bitrate to 1G.
4. Resolved the issue that the CAS port is lock up.
5. Resolved the issue that the front panel of CMP201 would bright red light while on the normal status.

## Test Results

positive

## Remaining Issues

1. When enable the port 1 IP output channels more than 10, it would cause IP receive abnormal at port 2.



# Feature Release V1.4.18

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## Release NO.

CM-QAMA-02\_V1.4.18\_S16231\_F828\_W16201\_20211223.WVUpgrade

## Release Date

December 23, 2021

## New Feature

1. Modified the model name from CM-MOD-02 to CM-QAMA-02//02A
2. Made it possible to filter null packages in by-pass mode.
3. Added the feature of auto tracking PMT change.
4. Supported QAMB for MOD-02.

## Resolved Issues

1. Resolved the issue that the first channel will have no IP output if changing the number of its IP packages.
2. Resolved the issue that it will be failed to access the WebGUI if setting unicast IP address for output channel.
3. Resolved the issue that there is probability the Symbol rate is not correct in batch setting using 256QAM.
4. Resolved the issue that the module will not work properly on scrambling if the total bitrate is over 800Mbps or the total channels over 220.
5. Resolved the issue that there is probability output may present issues of pixelate after enabling 256QAM.
6. Resolved the issue that the total bitrate of some channels is not correct after enabling 256QAM for multiple channels.
7. Resolved the issue that WebGUI may present the error of “Dear User, operation failed” when deleting the configurations for some services.
8. Optimized the function of system log.
9. Optimized the function of adding LCN.
10. Resolved the issue of PID conflict.
11. Added a limit that the max number of each channel’s services can’t exceed 20.

12. Resolved the issue that Data port1's IP address and Data port2's can't be set the same network segment.

13. Resolved the issue that the CAS port can't communicate with Cisco switch properly if Cisco switch enable auto negotiation mode.

## Test Results

positive

## Remaining Issues

1. It still doesn't support that to configure and route the TS from baseboard or other receiving modules to QAMA-02/02A.

2. If the signal source is VBR, there is low probability that the output will not play smoothly.

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