UCP25/50-MV

Version: v15.5.97_b0.1.9

Release Notes

2020-02-05

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Release Notes

Release notes includes lists of new features and enhancements, bugs fixed, as well as known issues and limitations associated with the latest version of the UCP25/50-MV software bundle.

Overview

UCP25/50-MV version v15.5.97_b0.1.9 is a release for the UCP-MV products. This release maintains alignment with the other UCP v15.5 releases. Important notes concerning this release are detailed in the following section. Additionally, details of the new features, enhancements and bug fixes of this release are also summarized. Finally, please also review Known Issues and Limitations prior to installation.

This release note should be read in conjunction with the release documentation of the other UCP v15.5 product releases.

IMPORTANT NOTE: The MV capability is separately licensed on a UCP25 and UCP50 basis. Contact Grass Valley Technical Support should you have any licensing questions prior to code deployment.

The following tables highlight the capabilities of the available builds for the UCP25/50-MV.

UCP25-MV - Build Features

Card Firmware	Build	ST-2022	ST2110	FEC-74	FEC-108
All Versions	0000	●	●	●	
	0001	●	●		●

UCP50-MV – Build Features

Card Firmware	Build	ST-2022	ST2110	FEC-74	FEC-108
V15.5 and later	0000	●	●	●	
	0001		●		●
	0002	●			●

New Features, Enhancements, and Bugs Fixed by Release Version

The following is a list of Orbit features and enhancements.

UCP25/50-MV Version 15.5.97_b0.1.9 (Production Package v1.6)

New Features and Enhancements
- Add FEC-108 support for 50GbE interfaces.
  - Specifically, this is required for supporting PSM4 QSFP modules that recommend the use of FEC-108: Required custom SFP settings {0x12, 0x0, 0x12, 0x1}.
- Added SDP object creation by GV Orbit.
- Added audio type override on the IP receivers.
- [IQIPEP-362] – Added support for AIMS RFC4175 profiles in sender.
- [IQIPEP-1480] – Cisco PSM4 QSFPs qualified for UCP50.
- [IQIPEP-1481] – Cisco AOC qualified for UCP25.
- [IQIPEP] – Other tickets as per general UCP release note.
- [IQIMV-69] – Add UCP50-MV variant.
- [IQIMV-111] – Add distinct MV core licenses for UCP25-MV and UCP50-MV variants.

Bugs Fixed
- [IQIPEP-551] – PTP status selection not working correctly.
- [IQIPEP-1290] – Intermittent vertical jump with 2022-6.
- [IQIPEP-1347] – Input loss to TPG does not work.
- [IQIPEP-1452] – Repeat frame issue.
- [IQIPEP-1469] – IGMP process failure if 42 or more unique flows are routed to an IP sender.
- [IQIPEP-1487] – Switching between EP and MV mode on the UCP can lead to setting corruption.
- [IQIPEP-1518] – Intermittent black SDI output.
- [IQIPEP-1529] – Gigalight SR QSFP settings are incorrect.
- [IQIPEP-1533] – Logging – INPUT_N_STANDARD not reporting correctly.
- [IQIPEP-1574] – Spigots show incorrect format.
- [IQIPEP-1602] – PsF format not detected for 25/29/30 frame rates.
- [IQIPEP] – Other tickets as per general UCP release note.
- [IQIMV-43] – ATC not working as clock source.
- [IQIMV-91] – Rollcall Layout Control not operational.
- [IQIMV-98] – On rare occasions inputs intermittently fail on power up.
- [IQIMV-104] – TSL UDP Ethernet setting drop now menu incorrect.
- [IQIMV-118] – Video border X, Y origin not being respected.
- [IQIMV-123] – UCP-MV output reverts to 1080P @ 50Hz after reboot.

UCP25_MV Version 15.0.93_b0.23.7 (Production Package v1.5)

New Features and Enhancements
- [IQMIT] – Add auto detection when no extended headers are present
- [IQMIT-1546] – Random delay override added for all products as factory control
- [IQMIT-1454] – Add a control to allow PTP to switch between active clocks based on priority
- [IQMIT-1462] – Show PTP clock status without having to show the detailed status
- [IQMIT-1446] – Counter added to time sync status page to indicate when we see an excessive correction value

Bugs Fixed
- [IQMIT-1332] – Switching to a missing source causes audio distortion
- [IQMIT-1334] – Auto-detect video standards with no extended headers added
- [IQMIT-1287] – Clean audio switching can be broken switching between audio flows with different packet time
- [IQMIT-1038] – Auto-detect the number of audio channels with no extended header
- [IQMIT-1335] – ST2110-40 clause 5.5 added
- [IQMIT-1295] – Add support ST2110-40 for SDI ANC payloads with non-specific H-offset values
- [IQMIT-1567] – Embedded Audio in SDI OP is 1ms early
- [IQMIT-1534] – SDI outputs black
- [IQMIT-1314] – The ST2110-20 ext. seq. count increments in the wrong packet
    - The Tektronix Prism does not correctly process 2110 compliant extended headers, and will report sequence number errors for video if extended headers are enabled.
- [IQMIT-1455] – 2110-40 broken CC608
- [IQIMV-78] – Output chroma-level error.
- [IQIMV-96] – Connected MV projects crash the Multiviewer.
- [IQIMV-101] – Timer Reference Protocol enable controls TSL enable.

UCP25_MV Version 14.57.89_b0.22.43 (Production Package v1.4)

This release adds the following enhancement(s) and corrects the following issue(s).

New Features and Enhancements

- Audio rate adaption deprecated from the UCP25_MV.

Bugs Fixed
- [IQIMV-48] – SD input breaks SDI output.
- [IQIMV-67] – Graphics overlay generator shuts down unexpectedly.
- [IQIMV-95] – SWP-08 data harvesting not working.
- [IQIMV-62] – MV outputs stuck in 1080P 50Hz.

Related Deprecated Issues/Features
- [IQMIT-1038] – Auto-detect number of audio channels with no extended header
- [IQMIT-1040, IQMIT-1334] – Auto-detect the video standard with no extended headers
- [IQMIT-1188] – Audio rate adaption not supported on IP receiver.
- [IQMIT-1283] – Add audio tracking delay to frame synchronizing inputs.
- [IQMIT-1287] – Clean audio switching can be broken by small to large packet switches
- [IQMIT-1295] – Add support for ST2110-40 for SDI ANC payloads with non-specific H-offset values
- [IQMIT-1332] – Switching to a missing source causes audio distortion
- [IQMIT-1335] – ST2110-40 clause 5.5. added

UCP25_MV Version 14.47.85_b0.22.35 (Production Packages v1.2 & v1.3)

This release adds the following enhancement(s) and corrects the following issue(s).
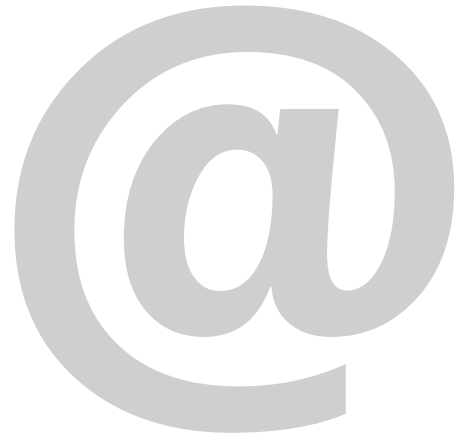
New Features and Enhancements

- First release.

Known Issues and Limitations

The following is a list of known issues and limitations associated with Orbit.

- [IQIPEP-1585] – Unpredictable audio channel behavior when receiver does not match the number contained in the stream.
    - **Workaround**: set to audio channel count to "Auto" unless audio channel count explicitly known.
- [IQIMV-71] – Full MV-8 Series Multiviewer functionality presented to the UCP-MV user within GV Orbit, when not everything is supported.
- [IQIMV-21] – Audio bars not updated on power up until audio level changes.
- [IQIMV-53] – Layout Menu – Input/Output identification overlays not operational.
- [IQIMV-73] – Output 4k gang renders incorrectly if outputs are in "non-standard" order – e.g. not sequential top->bottom, left->right.
- [IQIMV-81] – Audio IP flows cannot be used in absence of a video flow.
- [IQIMV-106] – TSL UDP only operational on 1G1 port setting.

Contact US

Grass Valley Technical Support

For technical assistance, contact our international support center, at 1-800-547-8949 (US and Canada) or +1-530-478-4148.

To obtain a local phone number for the support center nearest you, consult the Contact Us section of Grass Valley's website (www.grassvalley.com).

An online form for e-mail contact is also available from the website.

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