

UHD-3901

RELEASE HISTORY

Upgrade Package	Comprising:		Release Date	User Manual for this release (Grass Valley document #)
	Firmware Version	Software Version		
1.0.2	1.0.2.245	1.0.2	2017.08.08	M3064-9900-100
1.0.1	1.0.1.244	1.0.1	2017.06.21	M3064-9900-100

NOTES: The iControl compatibilities shown below are officially supported by Grass Valley. Earlier versions may also work, with bugs or limited features.

The Reference number (Ref#) given for each feature or bug in these Release Notes refers to internal Grass Valley documentation.

UPGRADE PACKAGE: 1.0.2

Firmware version: [1.0.2.245](#)

Release date: [2017-08-08](#)

iControl compatibility: [7.20+](#)

iControl Solo compatibility: [7.20+](#)

RCP-200 compatibility: [Not supported](#)

Hardware compatibility: [This upgrade package applies to all existing hardware assemblies.](#)

Release type: [Production](#)

BUGS FIXED IN THIS RELEASE

Ref #	Description
UHDPROC-678	<p>HDR tables not properly loaded</p> <p>All HDR tables, except for bypass, were not properly loaded. This is due to different headers between the bypass table and the rest of the tables.</p>
UHDPROC-677	<p>YCbCr wrap-around when using HDR processing</p> <p>A wrap-around issue has been observed with several HDR tables and with a SMPTE color bars.</p>
UHDPROC-676	<p>Incorrect VPID values on the chroma (C) channel with 4K mapping = 2-Sample Interleave and VPID Standard = Auto</p> <p>Bit-6 in byte-4 of the VPID was not properly set on the chroma (C) channel causing the Phabrix QX to black the active picture.</p>

KNOWN BUGS & LIMITATIONS

Ref #	Description
UHDPROC-639	<p>Output metadata during 3G-B may contain packets on link B (this limitation does not include audio processing).</p> <p>Some incoming metadata packets, other than audio, may pass through to the output and may reside on 4K 3G-B link B. This may occur only during 720p/1080i/3G-A inputs.</p>

UHDPROC-640	<p>Output metadata during 3G-B may not reside on proper line in link A (this limitation does not include audio processing).</p> <p>Some incoming metadata packets, other than audio, may pass through to the output and may reside on an incorrect line within 4K 3G-B link A. This may occur only during 720p/1080i/3G-A inputs.</p>
UHDPROC-641	<p>Metadata conversion may not be properly processed.</p> <p>Incoming metadata is passed through to the output without any manipulations. This may result in a non-conforming conversion.</p> <p>Ex : CEA-708B packets during 1080i to 4K conversions.</p>
UHDPROC-576	<p>Output alignment to reference may vary slightly.</p> <p>When changing the reference source or unplugging/plugging the selected reference, the SDI output alignment to the reference may vary by a few pixels.</p>
UHDPROC-649	<p>High Dynamic Range (HDR) conversions from/to HLG or SLog3 standard.</p> <p>Any conversion from/to HLG or SLog3 dynamic range standard should be considered as a monitoring conversion since the "creative content" may not be guaranteed.</p>
UHDPROC-638	<p>No error detected for 3G-Level B DS sources.</p> <p>When inserting 3G-Level B Dual Stream sources, the card reads this as a Dual Link source. When this occurs, the card does not detect an error, and the output is corrupt.</p>
UHDPROC-643	<p>Cannot use only path #2 when the selected reference = Input 1</p> <p>Since the reference selection only offers "Input 1", the card needs to have a valid signal connected to input 1 when the reference selection = Input 1 in order to have a valid output 2.</p>
UHDPROC-633	<p>Glitches in the test pattern active video on input format changes</p> <p>When the test pattern is enabled, there are glitches in the active video only (no TRS errors) when the input format is changed.</p>

UPGRADE PACKAGE: 1.0.1

Firmware version: [1.0.1.244](#)

Release date: [2017-06-21](#)

iControl compatibility: [7.20+](#)

iControl Solo compatibility: [7.20+](#)

RCP-200 compatibility: [Not supported](#)

Hardware compatibility: [This upgrade package applies to all existing hardware assemblies.](#)

Release type: [Production](#)

KNOWN BUGS & LIMITATIONS

Ref #	Description
UHDPROC-639	<p>Output metadata during 3G-B may contain packets on link B (this limitation does not include audio processing).</p> <p>Some incoming metadata packets, other than audio, may pass through to the output and may reside on 4K 3G-B link B. This may occur only during 720p/1080i/3G-A inputs.</p>
UHDPROC-640	<p>Output metadata during 3G-B may not reside on proper line in link A (this limitation does not include audio processing).</p> <p>Some incoming metadata packets, other than audio, may pass through to the output and may reside on an incorrect line within 4K 3G-B link A. This may occur only during 720p/1080i/3G-A inputs.</p>
UHDPROC-641	<p>Metadata conversion may not be properly processed.</p> <p>Incoming metadata is passed through to the output without any manipulations. This may result in a non-conforming conversion.</p> <p>Ex : CEA-708B packets during 1080i to 4K conversions.</p>
UHDPROC-576	<p>Output alignment to reference may vary slightly.</p> <p>When changing the reference source or unplugging/plugging the selected reference, the SDI output alignment to the reference may vary by a few pixels.</p>
UHDPROC-649	<p>High Dynamic Range (HDR) conversions from/to HLG or SLog3 standard.</p> <p>Any conversion from/to HLG or SLog3 dynamic range standard should be considered as a monitoring conversion since the "creative content" may not be guaranteed.</p>

UHDPROC-638	<p>No error detected for 3G-Level B DS sources.</p> <p>When inserting 3G-Level B Dual Stream sources, the card reads this as a Dual Link source. When this occurs, the card does not detect an error, and the output is corrupt.</p>
UHDPROC-643	<p>Cannot use only path #2 when the selected reference = Input 1</p> <p>Since the reference selection only offers "Input 1", the card needs to have a valid signal connected to input 1 when the reference selection = Input 1 in order to have a valid output 2.</p>
UHDPROC-633	<p>Glitches in the test pattern active video on input format changes</p> <p>When the test pattern is enabled, there are glitches in the active video only (no TRS errors) when the input format is changed.</p>