

AJA OG-ROI-SDI – Release Notes v1.2.1

Release software v1.2.1 for OG-ROI-SDI

Introduction

This is the third release of firmware shipped with AJA's OG-ROI-SDI openGear card (version 1.2.1).

Features, Updates and Improvements in v1.2.1

Version v1.2.1

- Fixed an issue with the HDMI output where the last two columns of pixels were black when converting an interlaced source to progressive.

Features, Updates and Improvements in Previous Releases

Version v1.1.4

- Video and audio outputs can be configured to mute with a 0-15 seconds delay timer or black image when no active input video signal is detected.
- Edge Filtering for the region of interest (ROI) can be disabled.
- Adjusted the HDMI audio output level to nominal gain.
- Expanded the processing limit exceeding alarm to include Raster Edge, Flicker, and Edge Filtering.

Version v1.0.5

- Initial Firmware release for OG-ROI-SDI openGear card
- openGear compatible card
- Scan Converter
- 3G-SDI input with loop-through

- 3G-SDI and HDMI 1.4 outputs
- Supports SD, HD, and 3G formats (see Tech Specs for complete list)
- Region of interest scaling
- Up/down/cross conversion
- Aspect ratio conversion
- Frame rate conversion
- Image H/V flip and 90 degree rotation
- Supports 8 channels of embedded audio
- 2 channel analog audio output of disembedded audio (2x 3-Pin Terminal Block connectors included)
- Sync reference selection (External, openGear frame, or Free-run)
- Remote control over Ethernet using DashBoard network control software
- Hot-swappable
- Compatible with DFR-8321, OG3 and OGX openGear frames
- Five-year warranty
- For additional information, please refer to the OG-ROI-SDI section of the AJA website:

<https://www.aja.com/products/og-roi-sdi>

DashBoard Initial Setup, Control and Updating Firmware

Note: DashBoard software (free) is needed to update FW, configure and monitor AJA openGear DashBoard supported cards.

1. Check the AJA website for new software for your OG-ROI-SDI. If new software is found, download it and uncompress the file archive (zip). <https://www.aja.com/family/opengear#support>
2. Click the Upload button in the lower panel of the DashBoard Control System to open the Upload Software Wizard.
3. From the Upload Software Wizard window, select Browse.
4. Navigate to the location of the downloaded .bin file containing the software update. Select the .bin file, then select Open. The Upload Software Wizard window displays characteristics of the selected file for uploading.
5. Click Finish.
6. When the progress bar indicates that the uploading is finished and status indicates "Complete," click OK.

7. To verify the version of software or firmware currently installed on your card, select the Card tab from the center panel of DashBoard.

NOTE: Before the upload begins, DashBoard will erase the firmware on the card, taking approximately 20 seconds.

Technical Support

AJA Technical Support is free and available to help you answer questions or resolve issues with any of your AJA products.

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