ARRI

ALEXA SXT / 65 / SXT W / LF
AMIRA & Mini / LF

ARRIRAW Converter 4.4.0.0 (CMD)

RELEASE NOTES

Date: 20 April 2021

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1 Introduction

The ARRIRAW Converter CMD (also referred to as "ARC CMD") is a command line tool using the ARRIRAW SDK to convert ARRIRAW images into different file formats. Using a XML based configuration file (the so called short settings), parameters affecting the rendering output can be set.

The settings are explained in more detail in the ARC CMD user manual.

2 System Requirements

Mac Systems:

- OS X 10.11
- OS X 10.12
- OS X 10.13
- OS X 10.14
- OS X 10.15

PC Systems:

- 64 bit Windows 10

Linux Systems:

- 64 bit Ubuntu 18.04
- 64 bit CentOS 7
- 64 bit CentOS 8

For GPU or CUDA processing:

- AMD/ATI or NVIDIA graphics adapter with at least 2048 MB of RAM. If processing ALEXA65 footage, 3072 MB of VRAM are recommended
- Latest AMD/ATI or NVIDIA GPU driver installed

ARRI recommends updating ARC version 3.5.0 or lower to version 3.5.3 or higher when rendering footage of the new ALEXA LF.

3 Features Overview and Bug Fixes

3.1 New Release

Version	Changes	Bug fixes
4.4.0.0	Support of all new ALEXA Mini LF MXF/ARRIRAW recording formats: • 3.4K S35 3:2 - 3.4K	• fixed export for file format tiff

3.2 Past Changes

Version	Changes	Bug fixes
4.3.0.0	• An extended sharpening range from -5 to +5 and now up to +35 provides a stronger resharpening possibility. Introduced with ALEXA MINI SUP 6.1 for multi-camera productions.	• fixed export for file format OpenEXR
4.2.3.0	• Using ArriRawSDK 6.2.2.0	• Fixed pixel aspect ratio metadatum in exr rendering • Several other bug fixes
4.2.1.0	Using ArriRawSDK 6.2.1.	Several bug fixes

4.1. Beta	• Support of all new ALEXA Mini LF MXF/ARRIRAW recording formats:
	  • ALEXA Mini LF Open Gate: 4.5K MXF/ARRIRAW
	  • ALEXA Mini LF 16:9: UHD MXF/ARRIRAW
	  • ALEXA Mini LF 2.39:1: 4.5K MXF/ARRIRAW
	• Support of the CODEX HDE (High Density Encoding) file format .arx, which was created with the Codex Device Manager 5.0 and higher.
		Several bug fixes

4.0 Beta	• Using ArriRawSDK 6.1.1.0 • Default lookMode now "CDL LogC" • New geometry interface • New scaling filters and algorithms. Due to this, result images with same settings may differ from results of previous versions • New detail parameter to have more control over frequency handling in the scaler. See Texture Control white paper for details: https://www.arri.com/service/search/en/49664?query=texture%20white • Parameterization and behaviour of the half size proxy (proxy factor 2) has changed: the output image size is now exactly the size as set in the Scaling Geometry. For increased performance it is further recommended to reduce the output resolution as far as possible. Due to the underlying processing algorithms, we recommend using proxy factor 1 for images larger than half the input dimensions. To get an image identical to previous processing, please set half the resolution (e.g. width 960px height 540px instead of HD_FROM_xxxxpx).	• Fixes in denoising for ALEXA MINI, ALEXA65, and ALEXA LF. • Several other bug fixes

4 Questions and Contact

If you have any questions about the application, please contact us via digitalworkflow@arri.de.

5 External Libraries

This software uses the following external libraries:

Library	URL	License
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