



ALEXA SXT / 65 / SXT W / LF

AMIRA & Mini / LF

ARRIRAW Converter 4.2.3.0 (CMD)

RELEASE NOTES

Date: 15 November 2019

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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 7
- 64 bit Windows 8
- 64 bit Windows 10

Linux Systems:

- 64 bit Ubuntu 14.04
- 64 bit Ubuntu 16.04
- 64 bit Ubuntu 18.04
- 64 bit CentOS 6
- 64 bit CentOS 7

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

Features added in the new release version:

3.1 New Release

Version	Changes
4.2.3.0	<ul style="list-style-type: none">• Using ArriRawSDK 6.2.2.0• Fixed pixel aspect ratio metadatum in exr rendering

3.2 Past Changes

Version	Changes
4.2.1.0	<ul style="list-style-type: none">• Using ArriRawSDK 6.2.1.
4.1. Beta	<ul style="list-style-type: none">• Support of all new ALEXA Mini LF MXF/ARRIRAW recording formats:<ul style="list-style-type: none">• 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.
4.0 Beta	<ul style="list-style-type: none">• 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• Fixes in denoising for ALEXA MINI, ALEXA65, and ALEXA LF.• 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).

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:

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Libtiff	www.libtiff.org	<p>Copyright (c) 1988-1997 Sam Leffler Copyright (c) 1991-1997 Silicon Graphics, Inc.</p> <p>Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that (i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and (ii) the names of Sam Leffler and Silicon Graphics may not be used in any advertising or publicity relating to the software without the specific, prior written permission of Sam Leffler and Silicon Graphics. THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.</p>
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libzlib	www.zlib.net	<p>Interface of the 'zlib' general purpose compression library version 1.2.7, May 2nd, 2012</p> <p>Copyright (C) 1995-2012 Jean-loup Gailly and Mark Adler</p> <p>This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software. Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:</p> <ol style="list-style-type: none">1.The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.2.Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.3.This notice may not be removed or altered from any source distribution. <p>Jean-loup Gailly: jloup@gzip.org Mark Adler: madler@alumni.caltech.edu</p>
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