

## READ ME

nanoFlash / Flash XDR FileConverter  
Version 1.6

XDCAM 4:2:2/EX/HD Quicktime (MOV) to MXF Converter  
(PC version)

Convergent Design, Inc  
20-Sept-2010

\*\*\*\*

Note: upon installation, the FileConverter will then appear in the Start menu like any other installed program. If the application is run and gives an error message:

**"Windows can not open .jar file"**

or something similar, more than likely you will need to install the Java Runtime software, which can be found here:

<http://www.java.com/getjava/>

\*\*\*\*

The FileConverter tool converts XDCAM 4:2:2 50 Mbit and above, XDCAM EX 35 Mbit, and XDCAM HD 35 Mbit Quicktime files to equivalent MXF files. The original files are left intact.

The Quicktime files can be either from a Flash XDR / nanoFlash or can be a file exported out of Final Cut Pro.

Standard Definition file conversion is *not* supported.

Supported audio: uncompressed, 16 or 24 bit, 48 Khz, 0,2,4 or 8 channels.

The generated MXF files are Flash XDR / nanoFlash compatible - see below for details on playing such files out of the recorders.

The FileConverter tool has the current limitation of only accepting files less than 64 Gbytes in size. Files greater than 4 Gbytes will be broken up in approximate 4 Gbyte file increments.

The converted MXF files are also compatible with XDCAM Optical equipment (@ 50 Mbit bit rate) and XDCAM Transfer software (50 Mbit and above).

To use: choose up to 4 source folders / CF volumes which contain XDCAM 4:2:2, XDCAM EX, or XDCAM HD Quicktime (MOV) files.

If the chosen folder/volume contains a }CLP{ folder, as is the case with CF cards from the Flash XDR, the }CLP{ folder will be used as the source folder.

Individual MOV files may also be selected as the source.

You then optionally can choose destination folders to place your converted MXF files. If no destination folder(s) are chosen, the converted MXF files will be placed in the source folder.

Then all Quicktime files within the source folder(s) will be converted 1 by 1 to MXF.

The original Quicktime files are left intact. The new MXF files will have the same name with the .MXF extension.

Note that you can use 4 stackable Lexar Firewire 800 readers, connect them together at the same time to the Mac over Firewire, insert 4 CF cards, choose the 4 CF volumes as source folders, and then all the files in the 4 cards will be converted.

If the source is a CF volume and you write the new MXF files back out to the same CF volume, make sure there is sufficient space on the card.

### Playing Copied / Exported Files from Flash XDR/nanoFlash

> Format a qualified CF card on the Flash XDR / nanoFlash

> Insert card to USB / Firewire Reader attached to Mac

> For originally recorded files: On a PC, files can be copied from Explorer to the CF card(s).

Please note that Windows 7 sometimes fragments files while copying - nanoFlash can not play back fragmented files correctly. If you wish to play back originally recorded files copied from a computer to the nanoFlash, use a

different Windows operating system such as Windows XP to copy the files using Explorer.

Also note that the playback order of the files on the nanoFlash will be based on the order in which the files were copied from the computer. If your computer is copying files in an undesired order, you may need to copy the files 1 by 1 to the CF card.

> For files exported from Final Cut Pro (use File->Export->Quicktime Movie in the XDCAM EX, XDCAM HD 35 Mbit VBR, or XDCAM 422 profile only, exported files must be less than 64 Gbytes each) : use this utility's conversion tool to make a Flash XDR / nanoFlash compatible copy of the files, selecting the CF card volume as the destination folder. Do not use the "Export -> using Quicktime Conversion" option when exporting out of Final Cut Pro.

> Place the CF card back into the recorder, and press the play button. Do not press the record button in this case; record will overwrite any copied files on the card. Alternatively, set the System->Record Trigger to Remote Play, which will disable recording. Use the right / left arrow keys to skip between files. Use the Play button during play to pause; press Play again to resume. Press and hold Play button for fast forward (see user manual for more details on fast forward).

> \*\* Note that all files played out of the XDR / nanoFlash on a CF card(s) must be the same video format / file format.

For questions, please contact:

"cd" -- "support" -- "at" -- "convergent-design.com"