

MediaReactor



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MediaReactor™ is a media file translation system targeted at the post production professional. MediaReactor™ specializes in SD, HD and 2 to 5k file formats post houses use every day. Common formats include MXF, OMF, DPX, TIFF, TGA, MPG, AVI, MOV, WAV, AIFF and plugins provide support for other formats such as SGI-MOV, DS-GEN, HDR/YUV/Raw, Jaleo-JS and DPS. Video, timecode, metadata and up to 8 channels of audio are transcoded using the highest quality conversions.

MediaReactor™ software is a powerful tool for transcoding digital media files, with a wide range of file format support, features to ease your workflow and a convenient, intuitive interface for ease of setup and operation.

Transcode between the most important digital media file types to provide distributables, repurpose material from proprietary devices, automatically transcode incoming files according to a profile you set up, create separate audio or video files, apply processing for interleave, blend, field order and more.

Details (click to show)

Industry Standard Formats

MediaReactor™ creates standard file types indistinguishable from those created on native hardware. Read and write DPX, YUV, Cineon, MOV, AVI, WMV, MXF, TGA, TIFF and DV files in compressed and uncompressed SD, HD, and digital cinema formats from 2K up to 5K. The ability to move between proprietary formats eliminates incompatibility barriers which impede creative progress.

It's Supported

All signal and file formats are supported with the same version. SD, HD, Digital Cinema and 2K Film all from one interface.

With such a wide matrix of file types supported, your file incompatibility issues will disappear. Use the devices you prefer, the formats best suited to the application, and the workflow that works best for you.

Automated Conversions with Watch Folder Support

So you have incoming files, delivered regularly via satellite or network feed? Or you need to process an existing library of files for availability to other applications?

Automatically create the file type you need, prioritize transcodes based on their importance, run conversions in the background, in short, anything you need to get the job done while maximizing your efficiency.

Sharing Content and Collaboration

MediaReactor™ can create low resolution (or proxy) streaming files to share with your team where full resolution files are large enough to make distribution a problem.

Run your project through MediaReactor™ to create files you can view, send and store easily.

Application Compatibility and Conversion

MediaReactor™ provides transcoding to and from the industry's most popular software editing applications. Transcode files for Smoke/Flame, Assimilate Scratch, Nuke, Final Cut Pro, Avid editors, Premiere Pro, Digital Fusion, After Effects, Shake, Motion, Combustion and many more.

MediaReactor™ files, both compressed and uncompressed, are supported directly by these applications. This means no extra steps in moving media between your software and the real world.

MediaReactor™ Format Support

- AVI Video for Windows codecs installed on the system
- AVI Matrox MPEG HD*
- AVI Matrox MJPEG
- AVI Matrox DV & MPEG (MMES)
- AVI Targa 2K MJPEG
- AVI YCbCr 8/10 bit (4:2:0, 4:2:2, 4:2:2:4)
- DPS MJPEG*
- DV & DIF DV25*
- GEN RGB and 8 bit YCbCr
- GXF DV, MPEG*
- JS RGB and 8 bit YCbCr
- MXF IMX (D10) 30, 40 & 50 mbps
- MXF DV (DV25)*
- MXF MPEG HD
- MXF IMX*
- MPEG 1 4:2:0 program streams
- MPEG 2 4:2:0 program streams
- MPEG 2 4:2:0 transport streams*
- MPEG 2 4:2:2 program & transport streams*
- MOV Apple or 3rd party codecs installed on the system
- MOV DV25 & DV50
- MOV IMX 30, 40 & 50 mbps
- MOV YCbCr 8/10 bit
- MOV AVR, JFIF, DNxHD & DV
- MOV Media 100
- MOV QuickTime reference movie*
- MV MVC1, MVC2, JPEG & RGB*
- OMF ABVB AVR codecs
- OMF Mendien JFIF and YCbCr (1:1)
- OMF DV25
- RM standard profiles (write-only)
- RTV YCbCr 8 bit
- WMV/ASF version 7, 8, 9 (including HD codecs)
- YUV 8/10 bit YCbCr and RGB
- AIFF PCM audio
- WAV PCM audio
- MP3 compressed audio*
- AU PCM audio
- DPX 10 bit log RGB, 10 bit YCbCr, 32 bit RGBA
- GRAPHIC JPEG, BMP, SGI, YUV, Targa, PSD, TIFF, Cineon, VPB

* = read-only

MediaReactor™ Specifications

Video standards - (SD) 8/10 bit NTSC/525, PAL/625, single or dual link (HD) 8/10 bit 720, 1080, single or dual link (2K) 2048 (hardware-dependent)

Audio - up to 16 embedded audio (SD/HD), 8 AES/EBU audio channels.

Clip Management - transcode, preview, trim, audio-only, video-only, or split audio and video.

Templates - maintain source, target settings including processing.

Status - Audio/Video, system, metadata, status and error reporting/display.

MediaReactor™ Minimum Requirements

MediaReactor™ can likely be installed on any retail computer you can buy. Slower computers will just run conversions more slowly. More powerful hardware (better / faster / stronger processor, RAM, motherboard, VGA for display etc.) will run conversions faster. At minimum, you will need a Windows 2000/XP system running on Core2 Duo processor with 2GB RAM.

Note: MediaReactor™ does not support Windows Vista OS or Windows 7.

Specifications are subject to change without notice.

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