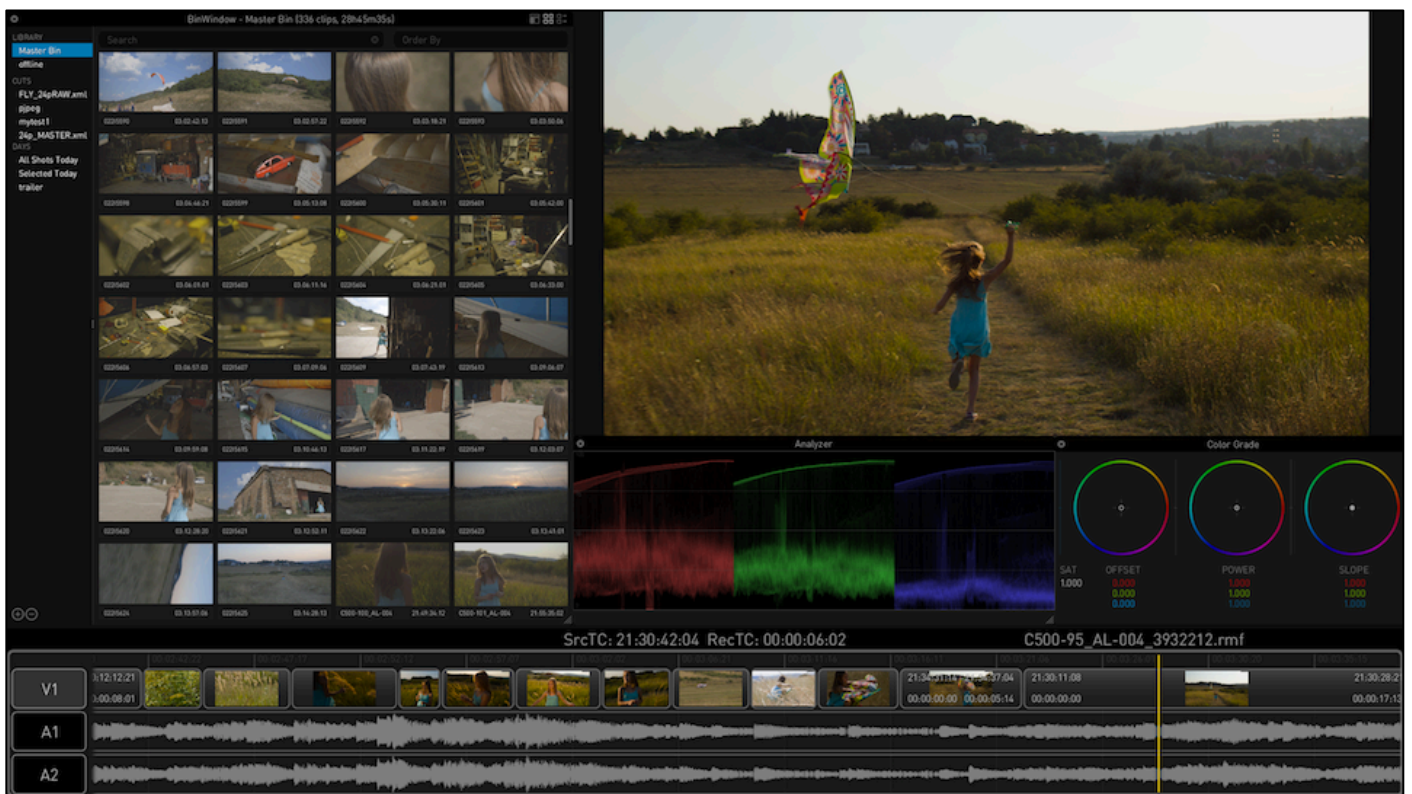


colorfront On-Set Dailies

DESIGNED FOR THE MOST DEMANDING FEATURE AND TELEVISION PRODUCTIONS, EMMY AWARD-WINNING COLORFRONT ON-SET DAILIES INTEGRATES STATE-OF-THE-ART COLOR AND IMAGE SCIENCE AND FIELD-PROVEN TOOLS INTO THE ULTIMATE DIGITAL COLOR AND PROCESSING SOLUTION. NEW TRANSKODER OPTION OFFERING ADDS HIGHEST PERFORMANCE MASTERING CAPABILITIES.

Developed for the latest cameras and workflows, market-leading On-Set Dailies is a complete, sophisticated system that eases color grading, high-resolution playback, audio sync, and media and metadata management, and produces simultaneous faster-than-realtime deliverables. Adopted by leading studios, labs, and post facilities, On-Set Dailies is the innovative digital processing system of choice.



KEY FEATURES

- NEW Apple ProRes** rendering for Final Cut editorial
- NEW Colorfront Engine**, a brand new color pipeline with: Master Looks, Look Blender, Camera Color, Ultra Scaler
- NEW** Extensive RAW Camera format support: R3D GPU de-Bayer, ARRI AMIRA, ALEXA OpenGate, Canon Cinema Gamut, Sony Slog3
- NEW** Unique Color grading tools: sector, curves, soft filters
- Realtime 4K playback of ARRIRAW, CANON RAW, SONY F65RAW
- 100+FPS rendering of DNxHD MXF, ProRes, Blu-Ray and H.264
- Advanced Sound syncing, Multiple burn-ins

- Native 64-bit application, fully multi-threaded
- 32 bits per channel, floating point image processing in GPU
- Academy ACES workflow with IDT, RRT, ODT
- Simultaneous creation of multiple delivery formats: DVDs, Blu-Rays, iPad, PIX / DAX, QT, MXF, WMV, WAV, TIF
- Built-in waveform, histogram, stereo analysis tools
- Bin Management with extensive metadata search functions
- OpenEXR, DPX, TIFF file format support for VFX pulls

Transkoder

New for 2014, **TRANSKODER OPTION FOR ON-SET DAILIES** adds highest performance mastering capabilities and automates fast, top quality digital file conversion for studios and VFX facilities in motion picture & TV production.

Key features of the **TRANSKODER OPTION FOR ON-SET DAILIES 2014** include:

- **COLORFRONT 'G2K'**: GPU-accelerated, high performance JPEG2000 encoder/decoder
- **EXTREME PERFORMANCE**: faster than real-time 4K DCPs and 100+ FPS IMF encoding and decoding
- **DCP AND IMF AUTHORIZING**: master multi-reel, encrypted, 2D and stereo digital cinema and IMF packages
- **ADVANCED MXF SUPPORT**: Op1A and OpAtom, AS-02, AS-03, AS-11 UK DPP formats
- **QUALITY ANALYSIS TOOLS**: bitrate, PSNR, and visual comparison tools
- **CONFORM**: multi-track timeline support, with conform, re-conform, and confidence check
- **TRANS-WRAPPING MEDIA**: including QuickTime ProRes, Sony MXFs, P2, and RED
- **2D/3D SUBTITLING**: DCI subtitle import/export, Unicode international support

TECHNICAL SPECIFICATIONS

ULTRA HIGH PERFORMANCE AND OPEN ARCHITECTURE

Native 64-bit application
Real-time 4K60P playback of most RAW camera formats
Real-time RED Epic R3D playback using GPU
32 bits per channel, floating point image processing
Shared SQL database for all metadata
Python scripting for flexible customization
PHP server side script access to shot based metadata
XML based format support for various metadata
Automatic PDF manifest report generation

SOUND SYNCING

Automatically sync audio, based on timecode for smart slate shoots
Analyze audio to extract clap sound for semi-automatic sound syncing
Automatic image recognition for smart slate timecode reading
Manual sound syncing with sync slip and audition
Entering scene/slate/take/cam/select info from BWF file header
Cut roll into shots rendering multiple audio files to stereo stream
Multiple sound mix-down templates for different deliverables
SDI embedded and balanced AES/EBU audio through DVS break-out-box

COLOR CORRECTION AND IMAGE PROCESSING

Full IIF-ACES workflow support with IDT, RRT, ODT
1D and 3D LUTs in .cube and .3dl formats
ASC-CDL import / export in CMX EDL, ASC CCC
Import/export reference images in TIF or DPX format
Primary color grading - master RGB color processor with saturation, contrast, high, mid and low corrections.
RGB primaries and printer lights grading, shadow / midtone / highlight
Sector color grading - R,G,B,C,M,Y
LUT node - with floating point 1D and 3D mesh LUTs
Curves - RGB master and channel color curves
Look Blender - Colorfront Engine mixing of Master Looks
Resizing - high performance resize engine with high quality filtering
DVE - reposition, resize, rotation, flip & flop
Burn-in - text burn-in of multiple metadata including KK, TC, user text, watermark, logo burn, and letterbox

Colorfront On-Set Dailies 2014

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SUPPORTED FORMATS

SOURCE MEDIA & CAMERA FORMATS

Uncompressed media (DPX, TIFF)
OpenEXR uncompressed 16bit format support
Sony F65RAW/F55RAW/F5RAW, XAVC 4K, SONY SRFile (SSStP)
Canon C500 RAW, C100/C300/C500 MPEG2 MXF
Red REDCODE RAW (R3D) support RED One MX and Epic incl. HDRx
Alexa ARRIRAW, DNxHD and ProRes 422 and 4444 , Amira ProRes
Phantom Flex 4K, HD Gold and 65 .cine RAW
Silicon Imaging SI-2K Cineform RAW
Aaton Delta Penelope, Blackmagic Cinema Camera, CinemaDNG
Canon EOS 1D/5D/7D H264 QuickTime

ENCODING FORMATS

High Efficiency Video Codec (HEVC)
Digital Cinema Package (DCP) with subtitles, encryption
Interoperable Mastering Format (IMF) MXF and IMP packaging
Apple ProRes (444, 422, Lt, Proxt, HQ)
Avid DNxHD MXF and DNxHD QuickTime files
Final Cut Pro ProRes (ProRes 444, ProRes 422 HQ, Proxy, LT) files
MPEG4 H.264 for web delivery, iPhone and iPad, etc.
MPEG2 for authored DVDs, chaptered Blu-ray, etc.
SONY SRFile SSTP MXF, SONY XAVC
QuickTime files with various codecs
DPX, TIFF, OpenEXR, JPG2000, JPG
WAV broadcast wave audio files, stereo and multi-channel
Export various metadata incl. CMX EDL, FLX, ALE, FCP XML, CDL

HARDWARE REQUIREMENTS

MICROSOFT WINDOWS 7 64-BIT OR WINDOWS SERVER 2012 R2

Single/Dual 12-core Intel processors
Minimum 24GB RAM
NVIDIA Kepler GPU cards + NVIDIA Quadro display card
(Optional) 10GigE, SAS or Infiniband Interface card
(Optional) AJA Kona4 up to 4K@60p video output
(Optional) Tangent Devices ELEMENT control panel