

# colorfront



## Express Dailies

DEVELOPED FOR TELEVISION, COMMERCIALS, AND FEATURES, EXPRESS DAILIES IS A POWERFUL AND EASY TO USE MOBILE DIGITAL PRODUCTION SYSTEM THAT PUTS COLORFRONT'S INDUSTRY LEADING IMAGE SCIENCE TECHNOLOGY AND ULTRA-HIGH-PERFORMANCE PROCESSING ENGINE WITHIN REACH OF ALL PRODUCERS, DPS, DITS, AND DMTS.

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## Express Dailies

WITH NATIVE SUPPORT FOR LEADING CAMERAS AND DELIVERY FORMATS, EXPRESS DAILIES SETS THE BAR FOR EASE OF USE, FUNCTIONALITY, AND PERFORMANCE FOR HIGH-RESOLUTION GRADING, TRANSCODING, ARCHIVING, QC, VFX PULLS UP TO 4K AND ENCODING. BASED ON EMMY AWARD WINNING COLORFRONT ON-SET DAILIES, THE LEADING SYSTEM FOR HOLLYWOOD FEATURES AND PRIMETIME EPISODIC TELEVISION, EXPRESS DAILIES IS A COMPLETE SOLUTION FOR DIGITAL COLOR MANAGEMENT AND PROCESSING.

- **COLORFRONT ENGINE™:** a new state-of-the art, ACES compatible, managed deep color pipeline, which enables creative on-set look creation and ensures the color integrity of digital materials from camera-to-post.
- **64-BIT PERFORMANCE:** runs on the new Mac Pro, with full GPU acceleration. Provides RAW image de-Bayering and support for AJA Io4K and Io XT cards for realtime QHD/HD video playback.
- **EXTENSIVE CAMERA FORMAT SUPPORT:** realtime support for all major RAW formats and the latest digital cinematography cameras and DSLRs from ARRI, Sony, Canon, RED, Go Pro, Blackmagic, and Phantom.
- **FASTER-THAN-REALTIME:** simultaneous sync'd and graded deliverables in all formats for review, post, and archive, including: new HEVC, DNxHD, ProRes, DPX, TIFF, OpenEXR, QT, DAX, PIX, H.264 for web and iPad.
- **COPY CENTRAL™:** fast checksum verified copies (with manifest reports) to multiple destinations, including archival to single or dual LTO5 & 6 tapes via LTFs. Archive database, bar codes, and transfer reports.
- **ON-SET LIVE™ LOOK CREATION:** create looks, export and manage CDLs and 3D LUTs on external LUT boxes, with multiple cameras, full color science, Academy ACES support, stills, split screens, camera metadata views.



## KEY FEATURES OF EXPRESS DAILIES 2017 INCLUDE

**NEW WINDOWS VERSION** RUNNING ON HP Z840  
 Colorfront Engine managed color pipeline and looks  
 4K playback and deliverables  
 Workgroups with shared project database

**NEW Camera format support:** **CANON C700 RAW**, Sony X-OCN Raw support, **8K R3D SUPPORT** (Debayered to 4K or below), Arri Alexa MXF RAW, Varicam V-RAW, Improved Cinema DNG support, RED - Latest RED SDK to support all Helium and Panavision Millennium DXL formats, as well as the new REDWideGamutRGB and Log3G10 color options.

Canon Cinema Gamut, Sony Slog3/Sgamut3  
 MAC PRO -support for OpenCL GPU processing  
 Simple drag & drop timeline user interface  
 Color grading, CDL, ARRI Look File 2 (ALF-2) file support  
 Flexible 32-bits per channel image processing pipeline  
 HD Deliverables with different burn-ins, watermark  
 Simultaneous creation of multiple delivery formats  
 Sound syncing, Multiple metadata burn-ins  
 Built-in waveform and histogram analysis tools  
 Checksum verified copy/manifest and LTO archival  
 Conform to camera RAW and deliver VFX pulls



## TECHNICAL SPECIFICATIONS

### ULTRA HIGH PERFORMANCE

Native 64-bit application, fully multi-threaded for multicore CPUs  
Real-time playback of RAW camera formats with highest quality  
32 bits per channel, floating point image processing in GPU

### COLORFRONT ENGINE™

**Master Looks:** color transforms that are specially-designed for the mastering of the latest digital cameras, capturing the widest latitude and color gamut, and mapping these for mastering to Rec709, DCI P3, Rec2020, and ACES.

**Look Blender:** creative mixing of mastering looks, to arrive at the unique color character, while protecting the deep color integrity of the master material. Whether it is the newest Master Looks, film print, print bleach simulation, vintage film look, or the ACES RRT, Look Blender allows the blending of multiple looks to achieve the desired, unique look.

**Camera Color:** based on real-world, camera-centric color grading for all cameras, with features that cinematographers are familiar with, such as precise exposure, color temperature controls, and auto white-balance. Display Calibration Toolset: with X-Rite i1 Pro and i1 Display Pro, to measure, calibrate and check computer displays, broadcast monitors, projectors, and iPads.

### SOUND SYNCING

Automatically sync audio, based on timecode in BWF  
Analyze audio to detect clap sound and sync audio  
Manual sound syncing with sync slip and audition  
Scene/slate/take/cam/select info from BWF file header  
Audio waveform helps sync sound quickly and accurately  
LTC timecode detection

### COLOR CORRECTION AND IMAGE PROCESSING

Full IIF-ACES workflow support: IDT, LMT, RRT, ODT  
ASC-CDL import / export in CMX EDL, ASC CCC  
CDL color grading, in HD video, Log, or ACES color  
Import/export reference images in TIF or DPX format  
Color grading -master RGB color processor with saturation, contrast,  
High quality HD resizing -high quality filtering  
Zoom -reposition, resize, aspect, flip & flop  
Burn-in -text burn-in of multiple metadata including TC, file name, user text, watermark, logo burn, and letterbox  
Built-in display calibration engine

## EXTENSIVE METADATA SUPPORT AND OPEN ARCHITECTURE

Shared project database for workgroups  
LUT import and export in a variety of formats  
Color metadata import and export, CDL, CCC, and ALE  
Support for EMD™, Colorfront's open Express Meta Data sidecar XML file format with all metadata information  
Colorfront Express Dailies 2017

## SOURCE MEDIA & CAMERA FORMATS

ARRI ALEXA ARRIRAW, ProRes 4444 and 422, ARRI AMIRA, ALEXA MXF (RAW)  
SONY F65RAW / F55RAW / F5RAW  
SONY XAVC 4K, SRFile (SStP MP4), XDCam EX  
Blackmagic Cinema Camera DNG and ProRes  
RED REDCODE RAW (R3D) support, including: Epic, Scarlet, Epic Monochrome and Weapon  
DNxHD MXF and QuickTime, including DNxHD 444 Phantom 4K Flex, Miro, HD Gold , 65 .cine RAW Silicon Imaging SI-2K, Cineform RAW  
Canon C500 4K RAW Canon EOS 1D / 5D / 7D H264 QuickTime w/ time code Canon EOS C100 / C300 / C500 MXF, EOS 1DC 4K JPG Panasonic P2 / MXF AVC Intra Most QuickTime formats, with appropriate codecs  
Uncompressed media (DPX, TIFF, and EXR files) Broadcast audio BWA V including header metadata  
ENCODING FORMATS NEW High Efficiency Video Codec (HEVC) Avid DNxHD MXF, including latest DNxHD 444 Apple ProRes (444, 422 HQ, Proxy, LT) in HD to 4K MPEG4 H.264 for web delivery, iPhone and iPad, etc Specific web deliverables, such as: PIX and DAX Uncompressed HD DPX, TIFF, OpenEXR, QuickTime Still frame formats such as: TIF, JPG, DPX, etc. WAV broadcast wave audio, stereo and multi channel Export various metadata including: FLX, ALE, FCP XML, CDL, CCC Automatic PDF QC report generation  
COPY CENTRAL™ INGEST & ARCHIVE  
Fast checksum verified copies to multiple destinations Archival to single or dual LTO5 & 6 tapes via LTFS Archive database, bar codes, and transfer reports Concurrent, background ingest of multiple cards

## HARDWARE REQUIREMENTS

MAC OS X 10.12 SIERRA OR NEWER  
**NEW** MacBook Pro with Touch Bar - Radeon Pro 460 with 4GB memory  
Mac Pro Dual AMD FirePro D500/D700 graphics, Thunderbolt storage  
**27" iMac** - 32GB RAM, AMD Radeon R9 M395X with 4GB video memory

## OPTIONAL PERIPHERALS SUPPORT

AJA Io 4K or AJA Io XT video output Archival on LTO 5 and LTO 6 LTFS

## CONTROL PANELS SUPPORT

Tangent Devices ELEMENT and RIPPLE panels

For more information, please visit: [www.colorfront.com](http://www.colorfront.com).

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