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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.

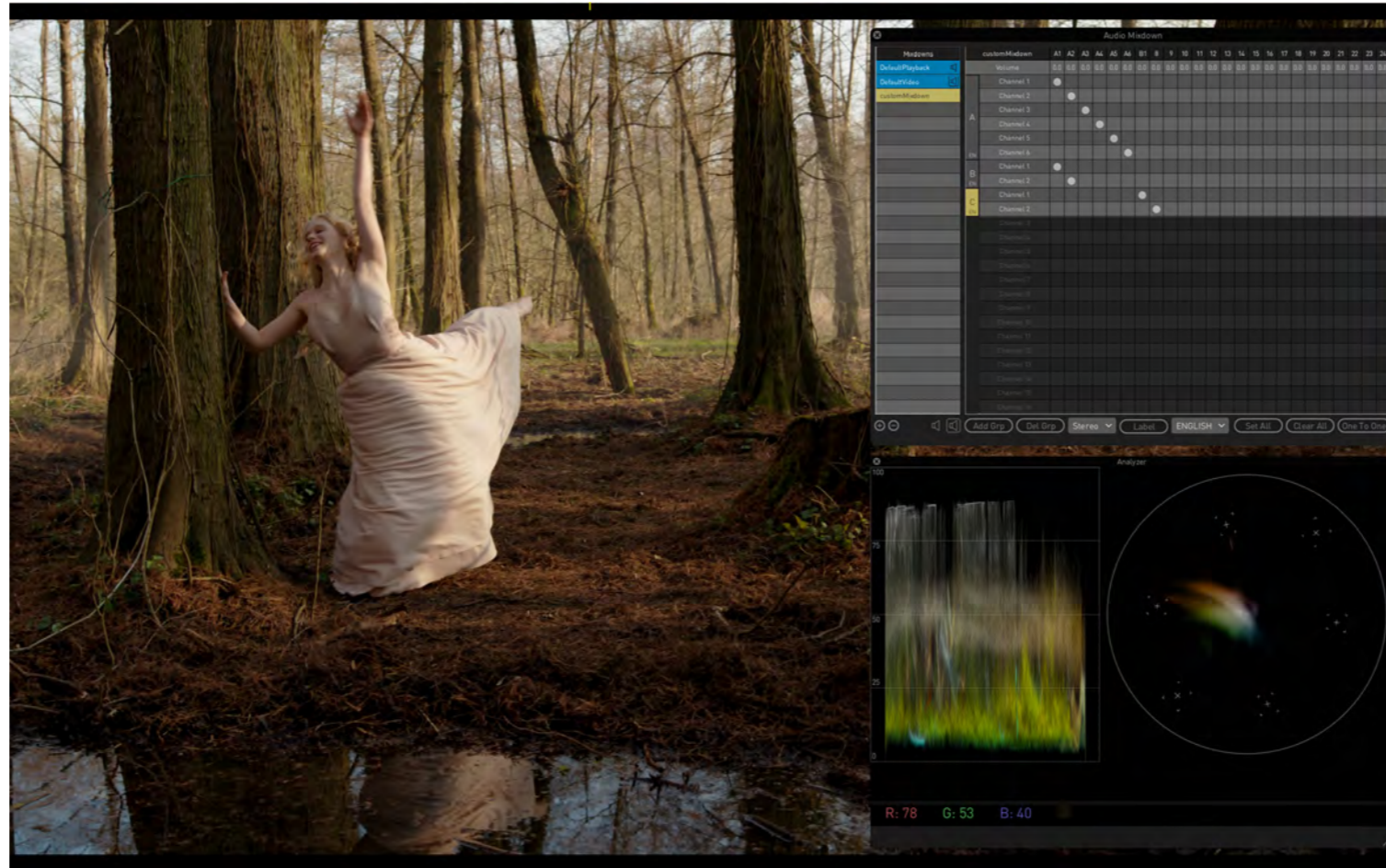
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On-Set Dailies

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.

ON-SET DAILIES OFFERS THE MOST COMPLETE AND TESTED TOOLSET FOR DIGITAL ACQUISITION, TAPELESS & DATA DRIVEN WORKFLOWS.

- **UNPRECEDENTED SPEED OF PROCESSING:** turnaround time on acquisition, syncing, logging, and rendering is the fastest in the market. 100+ FPS rendering, and R3D playback in CPU without RED Rocket.
- **EASE OF USE:** advanced-design UI for metadata logging, VTRoll creation and one-touch audio syncing simplifies tedious tasks. Integrated checksum verified copying, QC, media management and archival.



- **ACES AND COLORFRONT ENGINE WORKFLOWS:** use advanced color grading tools and manage color pipelines with ASC CDL, CCC, ARRI Look Files, automatic 3D LUT import and integrated live camera grading, HDR deliverables and monitoring.
- **PRODUCTION-PROVEN:** On-Set Dailies is a complete and robust system, used and tested extensively on-set, nearset and in facilities, and is backed by a highly responsive development and support team.
- **UHDTV AND 4K SUPPORT:** On-Set Dailies supports all the latest digital cinematography cameras for realtime playback in UHDTV and 4K, including support for high frame rate projects.

KEY FEATURES OF ON-SET DAILIES 2017 INCLUDE

Multiple RAW/uncompressed source formats
 Realtime 4K playback of ARRIRAW, CANON RAW, SONY F65RAW
 100+FPS rendering of DNxHD MXF, ProRes, Blu-Ray and H.264
 Mezzanine format support for IMF JPEG2000, SStP, MXF AS-02
 Sound syncing, Multiple burn-ins
 Extensive Color grading
 Stereoscopic 3D tools
 Flexible 32-bits per channel node-based image processing pipeline
 Simultaneous creation of multiple delivery formats:
 DVDs, Blu-Rays, iPad, PiX / DAX, QT, MXF, WMV, WAV, TIF, JPG
 Built-in waveform, histogram, stereo analysis tools
 Bin Management with extensive metadata search functions
 Academy ACES workflow with IDT, RRT, ODT
On-Set Live™ Look Creation
 Native 64-bit application, fully multi-threaded
 32 bits per channel, floating point image processing in GPU
 OpenEXR file format support

CANON C500 RAW 4K realtime support
 SONY F65RAW/F55RAW realtime 4K playback & processing
 SONY XAVC 4K and SRFile SSTP encoding and playback
 ALEXA DNxHD and 2K ProRes format Support
 Panasonic Varicam VRAW, Canon C700 and BlackMagic CinemaDNG support
 ARRI ALEXA Look File, end-to-end look management
 ProRes rendering for Final Cut editorial
 Multi-camera view and Playback
 Locking projects with PIN code
 EDL and Final Cut XML conform
Copy Central™ Ingest & Archive

Supported formats: Alexa ARRIRAW, DNxHD, RAW MXF and ProRes 422 and 4444 Phantom Flex, HD Gold and 65 .cine RAW, Canon C700 RAW, Sony X-OCN Raw support, 8K R3D Support (Debayered to 4K or below), 12-bit DPX 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 R3D playback in 2K using CPU, 8K 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

ON-SET LIVE™ LOOK CREATION

Grade live on camera HD monitor feeds
Multi camera support, with color grading offset for cameras
Still store, split screen, waveform and histogram analysis tools
Camera metadata views with data extracted from HD-SDI signal
Export and manage CDLs and 3D LUT files for external LUT boxes
Compatible with Colorfront EMD metadata files used by dailies systems
Full color science for all professional camera formats supported
Includes full support for Academy ACES color workflows

COPY CENTRAL™ INGEST & ARCHIVE

Fast checksum verified copies to multiple destinations
Concurrent archival to dual LTO5 & 6 tapes via LTFs
Archive database, bar codes, and transfer reports
Archival and ingest Manifest Report and TOC generation
Concurrent, background ingest of multiple cards

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
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.
Autodesk Lustre® compatible primaries and printer lights grading
Sector color grading and Skintone tool
Vignette and soft-filter effect
LUT node - with floating point 1D and 3D mesh LUTs

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

STEREOSCOPY

Automatic color matching between left and right eyes
Depth histogram, waveform analysis tools
Stereo 3D depth grading, edge based disparity estimator
Epipolar based auto geometry fix (scale/rotate/translate)
Automatic spatial alignment and corner pinning
Side-by-side, over-under, interlaced stereo modes
Two-channel stereo HD output

SUPPORTED FORMATS

SOURCE MEDIA & CAMERA FORMATS

Uncompressed media
(DPX, TIFF files from digital, tape or scanned sources)
OpenEXR uncompressed 16bit format support
Sony F65RAW/F55RAW/F5RAW,XAVC 4K, SONY SRFile (SStP) MXF
Canon C500 RAW, C100/C300/C500 MPEG2 MXF
Red REDCODE RAW (R3D) support incl. Weapon 8k,
RED Weapon Helium 8K
Alexa ARRIRAW, DNxHD, RAW MXF and ProRes 422
and 4444 Phantom Flex, HD Gold and 65 .cine RAW
Silicon Imaging SI-2K Cineform RAW
Canon C700, Panasonic Varicam VRAW,
Blackmagic Cinema Camera, CinemaDNG
Canon EOS 1D/5D/7D H264 QuickTime

ENCODING FORMATS

Avid DNxHD, DNxHR MXF, DNxHD QuickTime and SD codecs
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
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, CCC
XAVC class 100, 300, 480

METADATA SUPPORT

Broadcast audio BWAV including header metadata
QTake XML, ARRI Alexa XML, Codex XML, and 5th Kind
Arri Lens Data System LDS.XML and Cooke /i lens metadata support
Colorfront EMD™ Express MetaData sidecar XML file
Color metadata import and export, CDL, CCC, and ALE
LTC timecode detection, burnin and export as metadata

For more information, please visit: www.colorfront.com.

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