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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.

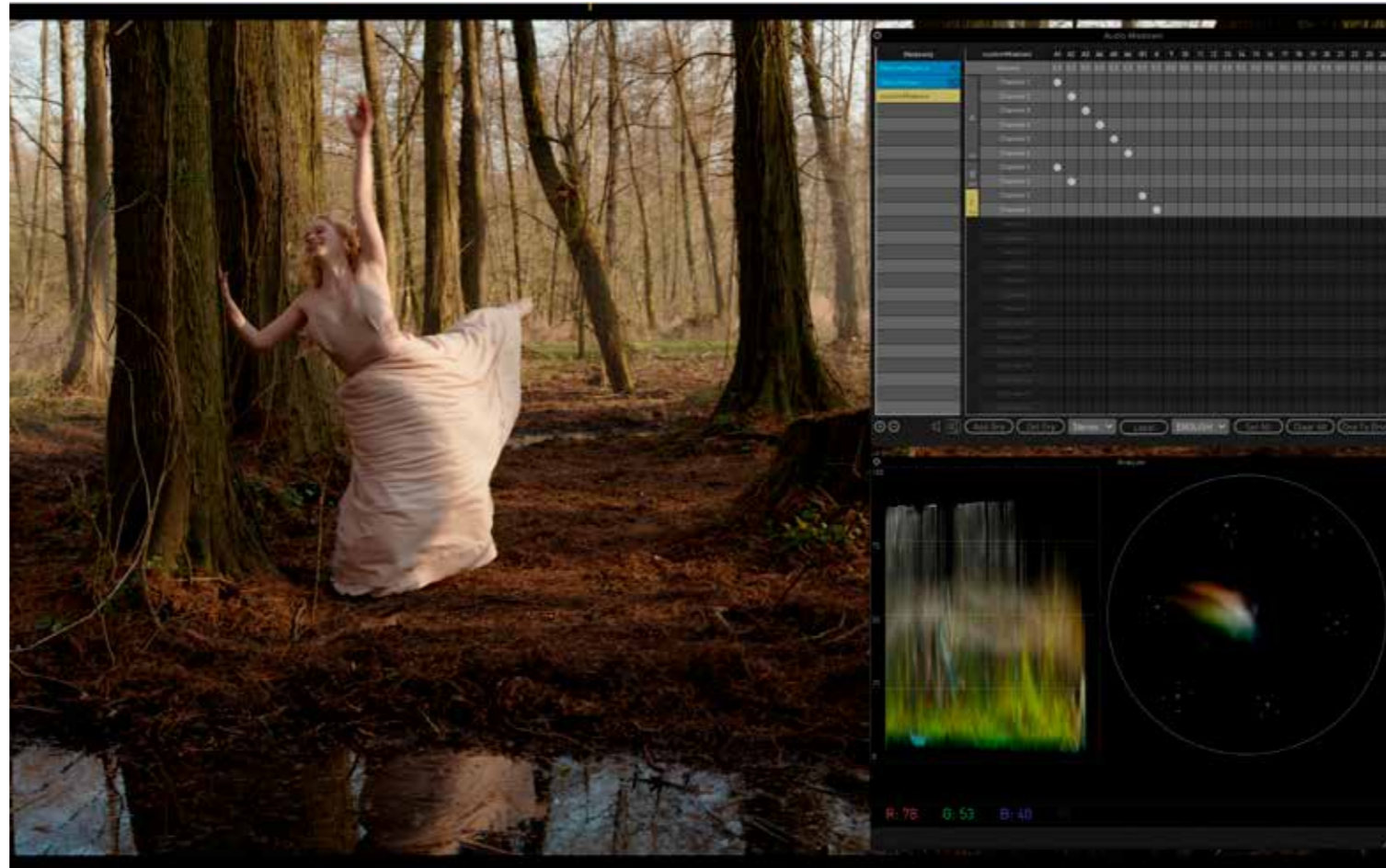
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On-Set Dailies

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 2016 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



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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