

colorfront

Transkoder 2025



POWERFUL DEDICATED 2K/4K/8K TRANSCODING APPLICATION AUTOMATES FAST, HIGH-QUALITY DIGITAL FILE DELIVERABLES AT THE HIGHEST PERFORMANCE FOR BROADCASTERS, STUDIOS AND VFX FACILITIES INVOLVED IN MOTION PICTURE AND HIGH-END TV PRODUCTION.

NEWEST FEATURES

- Timeline markers for QC workflows
- Automatic framing detection
- Dead pixel and sparkle/digital dust detection
- Video comparison tools (PSNR and DeltaCtCp)
- AI-assisted rolling credit detection
- Comprehensive Media Report PDF
- Customizable validation plan
- SDR to Dolby Vision HDR conversion tool

PC, MAC AND CLOUD PLATFORMS

EXTREME PERFORMANCE 4-GPU PC
APPLE MAC STUDIO/SILICON
AWS EC2 WITH NATIVE S3 CLOUD STORAGE
API-DRIVEN WORKFLOW AUTOMATION
SECURE REST API

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

• ADVANCED QC

Automatic analyses generates timeline markers for QC review, including loudness, HDR peak luminance, gamut, audio gaps, dead pixels, sparkles, unexpected framing and letterbox issues, and Dolby Vision analysis.

• COLORFRONT ENGINE FOR HDR MASTERING

Advanced color volume remapping tools using the Human Perceptual Model for multiple display mastering, preserving the original creative intent. The Colorfront Engine supports ACES LMT and SDR to Dolby Vision round-trip workflows, seamlessly integrating with Dolby Vision, HDR10, HLG, and Premium Large Format Cinema standards. With dynamic range remapping, industry-leading HDR mastering, and world-class QC tools, it delivers color-accurate results for all formats.

• DOLBY VISION

Creation and authoring of metadata, multiple iCMU, HDMI tunneling, and 4.0 processing. State-of-the-art Colorfront QC with seamless integration into Dolby Vision professional tools. Supports Dolby Cinema, Dolby Vision ISXD metadata track (RDD 47), and Dolby Encoding Engine for HEVC Profile 5 and 8.1 export for final delivery file quality assurance.

• IMF & DCP

Industry-leading IMF and DCP mastering tools with Photon validation, Immersive Audio Bitstream (IAB), App4 (Cinema Mezzanine), App5 (ACES), and ProRes RDD45. Supports DCI HDR1, Stereo IMF, multiple SMPTE DCP types, Interop, SMPTE A, SMPTE B2.0, and 2.1 (RDD52). Ready for High-Throughput JPEG 2000 in the upcoming App2e IMF revision (ST2067:21). Includes VF IMF view for easy identification of supplemental inserts from version files.

• IMMERSIVE AUDIO

Reading, packaging, authoring, and QC Immersive Audio Bitstreams. Preview object audio playback on 2.0, 5.1, 7.1, and 7.1.4 speaker setups. Supports Dolby Digital Plus export via Dolby Encoding Engine (DEE).

• OPEN FX SUPPORT

Support OpenFx plugins, including Invizigrain and LiveGrain.

• RAW SUPPORT

Supports all major camera RAW formats, including Alexa 35, ALEXA Mini LF, Sony Venice, RED Raw, Blackmagic RAW, ProRes RAW, and more.

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