CORTEX v7.0
AI-Powered Automation Intelligence

Automate and Elevate your Workflow with CORTEX v7.0

MTai Framework

Cortex MTai Framework delivers "Automation Intelligence" across the entire CORTEX Enterprise v7.0 product suite — *from dailies to final delivery.*

SLATE DETECTION
AI slate ID & metadata extraction

SHOT DETECTION
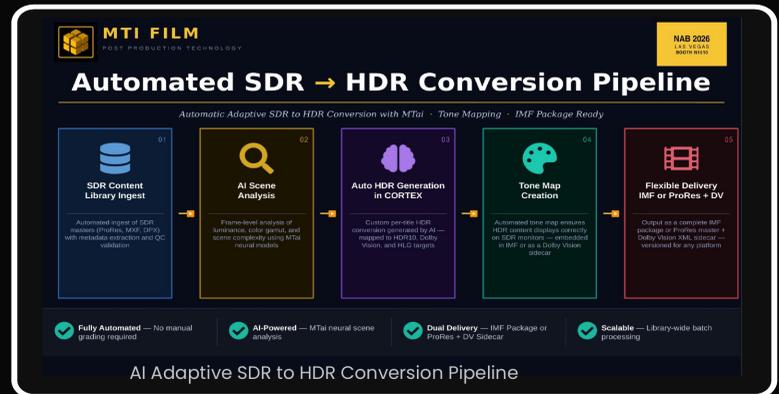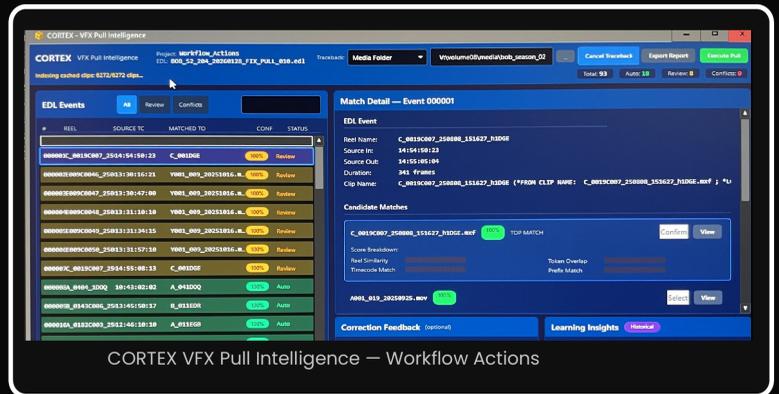AI scene segmentation & cut detection

MATTE DETECTION
AI-powered matte analysis for QA & quality review

FRAME CONVERT
AI frame rate conversion using TensorRT

AI SDR to HDR CONVERT
AI Adaptive SDR to HDR Conversion with automatic SDR tone map generation

CORTEX VFX Pull Intelligence — Workflow Actions

AI Adaptive SDR to HDR Conversion Pipeline

What's New in CORTEX v7.0

MTai Automation Intelligence
v7.0 expands MTai with AI Shot Detection, AI Matte Detection, and enhanced AI Slate Detection — fully automated scene analysis and VFX-ready workflows.

AI Adaptive SDR to HDR Conversion
New AI-driven adaptive SDR to HDR pipeline with automatic tone map generation. Convert entire libraries with per-scene precision. IMF, ProRes and Dolby Vision ready.

Dual Timeline Playback & Editorial Wipe
Simultaneous dual timeline playback with editorial wipe — compare source vs. processed material side-by-side for faster QC and review.

MTai Frame Rate Conversion with NOVA Paint
MTai Frame Convert supports TensorRT and auto-generates a Dolby Vision XML for feature projects with multiple color decisions. Correct AI anomalies with NOVA Paint in CORTEX or in a DRS Nova project.

AI Cosmic Ray Detection & Correction
CORTEX Enterprise v7.0 adds AI-powered Cosmic Ray detection and frame-accurate correction in the QA module — protecting archive and restoration workflows.

VFX Pull Workflow Actions
Automate the VFX pull process end-to-end. Workflow Actions for visual effect turnovers — EDL-based traceback to pull execution with shot match conflict resolution.

Faster GPU Processing & Improved AI Renders
Dramatically accelerated GPU pipeline across all MTai operations. Improved AI render quality for Frame Convert, Matte Detection, and SDR-to-HDR conversion.

Dolby Vision & Atmos — Enterprise Bundle
Dolby Vision 5.0 and Dolby Atmos compatibility bundled with Cortex Enterprise and included with v7.0 annual support renewals. When used with MTai Frame Convert, the DoVi XML is automatically updated upon conversion

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CORTEX v7.0 is the most AI-capable release in MTI FILM history.
From on-set dailies to final delivery — MTai unifies and automates the entire post-production pipeline.
- V7.0 has it all -

Learn what CORTEX can do to resolve your post production workflow needs. **www.mtifilm.com/**