

ContentAgent Media Processing and Automated Workflow Management System

Simply Powerful and Powerfully Simple

Overview

The proliferation of broadcast and consumer file types and formats can cause headaches and bottlenecks in the post production and broadcast process, tying up valuable equipment and manpower.

ContentAgent eliminates the need for human intervention by automating commonly performed tasks from camera card ingest to delivery workflows, improving accuracy and efficiency with subsequent cost savings. Designed with considerable input from the post and broadcast communities, ContentAgent echoes industry practices and presents an easily understood way of working.

At the heart of ContentAgent is a powerful workflow engine which orchestrates job automation. JobAgent's provide affordable superfast parallel processing nodes enabling jobs to scale - from one PC to many - for the most demanding transcode intensive operations. JobAgent's incorporate the Platinum Engine, Telestream's proprietary transcoding powerhouse, incorporating CPU and GPU acceleration to meet the stringent demands of broadcast, film and post production. Resolution independent, the transcoding engine can process files from SD through to UHD/4K and beyond.







Product Sheet

ContentAgent Workflow Designer

The Workflow Designer enables individual processes (tasks) to be linked together; from simple one-off jobs to the most complex workflows, in an intuitive process-tree style operation.

The process nodes also provide integration with leading third-party technologies (such as file based quality control tools) considerably adding to the versatility of the system.

Decision nodes add intelligence to the workflow, using technical or user-generated metadata to examine files and determine the appropriate action. Once created, workflows may be stored and repeated infinitely by CA non-technical staff



ContentAgent enables the automated ingest of camera card originated media. This has significant implications for editorial as it frees up equipment and manpower.

The system supports all commonly used card structures from which media and metadata are ingested; then transcoded (or rewrapped for greater efficiency) and imported into the post production workflow, including automated archiving and proxy generation.



CardAgent CardAgent builds on the automated card ingest capabilities of ContentAgent providing a simplified user interface enabling non-technical staff to select, playback, trim, add custom metadata and submit local and remote jobs to initiate an CA automated workflow.



JobAgents allow you to effortlessly scale processing power to suit your media throughput. Each JobAgent license allows for up to 4 simultaneous processing tasks to be completed on each render node.Workflows and tasks are distributed by ContentCentral's Render Management tools, making sure that all available process threads and hardware are utilised to the full. Furthermore each remotely attached JobAgent is easily managed in the main ContentAgent interface.





Integrations

ContentAgent's deep integration into 3rd party software allows you to seamlessly orchestrate tasks as part of a workflow.

These can all be accessed via their own dedicated tool nodes in the workflow designer.

ContentAgent supports all the major QC vendors as well as accelerated file transfer products. However the integration goes even deeper with the Platinum node having inbuilt access to advanced scaling and motion compensated framerate standards conversion, utilising Cinnafilm's Dark Energy and Tachyon technology, in the UI. For delivery workflows, there are also options for dedicated forensic watermarking, via NexGuard, and legalisation, via our fully featured Video Legaliser, both available within the transcoding engine.



Interoperability

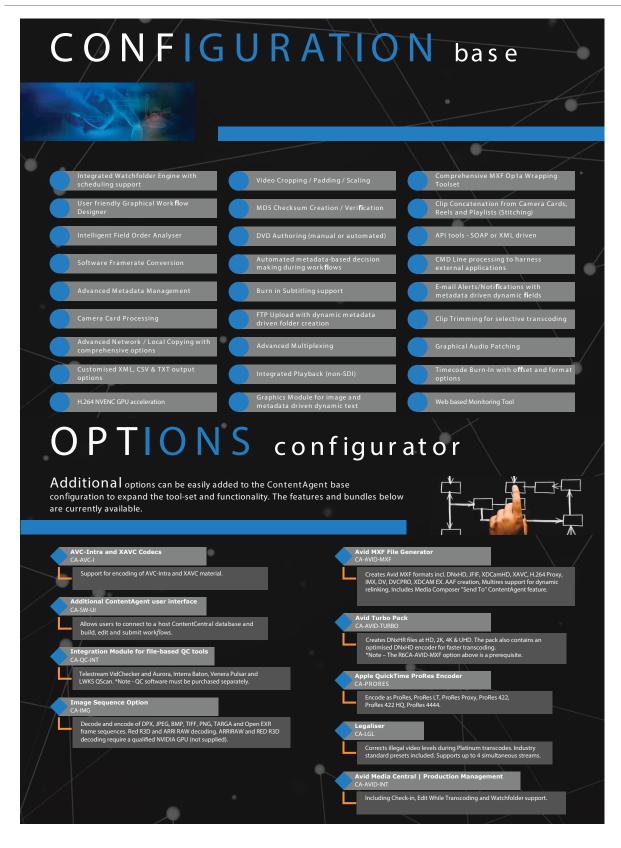
Interoperability into editorial environments further enhances ContentAgent's automated ingest and delivery capabilities. Comprehensive AVID integration allows ContentAgent to provide a seamless workflow experience into both standalone and PAM editing environments.

From optimised media transcoding and rewrapping to best in class metadata handling, ContentAgent is the perfect partner for any sized Media Composer based facility. There are also specific nodes in the Workflow Designer for AVID based ingest processes as well as extensive delivery options from editorial, including full watchfolder support for MediaCentral | Production Management and advanced workflow triggering directly from Media Composer's timeline.





Product Sheet



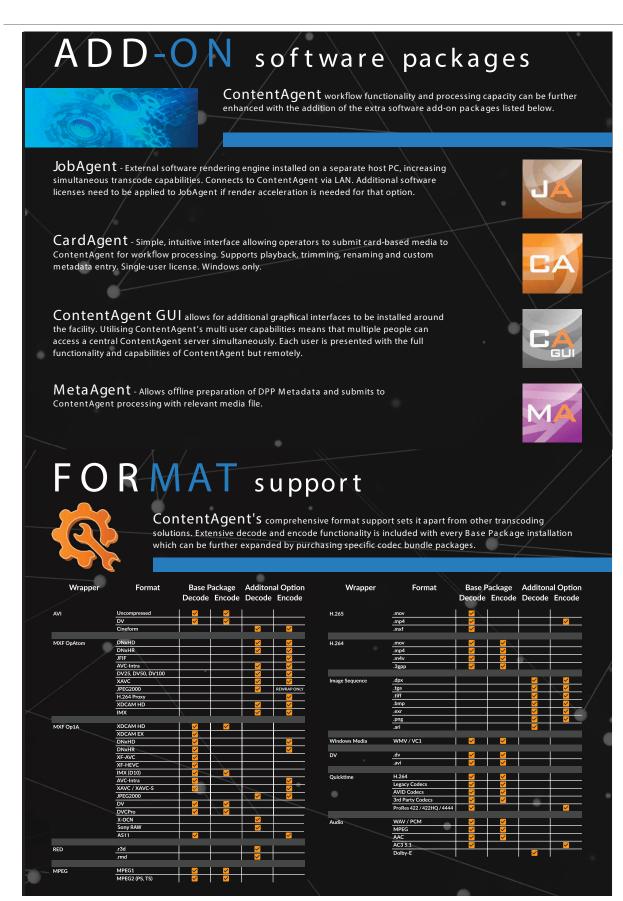


Product Sheet





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CAMERACARD package support

ContentAgent and CardAgent both have unparalleled support for the latest camera card formats and structures. Below is a list of the currently supported formats and manufacturers.

Wrapper	Base Package		Addition	al Option
ASO2	Decode	Encode	Decode	Encode
ARRI ALEXA & AMIRA				
ARRI RAW	\sim		 ✓ 	
ILD				
GoPro	✓			
RED			 ✓ 	
Panasonic P2				
AVCHD				
Sony XAVC and XAVC-S	∖_ \ 🗹 \			
Sony SXS				
Sony XDCAM HD / EX				
Sony X-OCN		N N		
Sony RAW	\setminus	\setminus	✓	
Canon XF		\backslash		
Canon EOS		FT.		



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