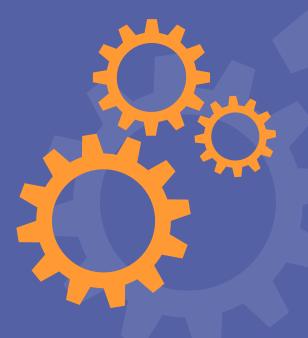# CONTENTAGENT

CONFIGURATION GUIDE

CONTENTAGENT BASE SOFTWARE PACKAGE INCLUDES:

Watchfolders

AVI Encode/Decode

Field Order Analyzer

Framerate Conversion

Metadata Management

Camera Card Processing

Network/Local Copying

Customized XML Output

Customized XML Output

Graphical Workflow Designer

Advanced MPEG4 Multiplexing

Integrated Playback (non-SDI)

Video Cropping/Padding/Scaling

MD5 Checksum Creation/Verification

DVD Authoring (manual or automated)

Automated metadata-based decision making during workflows

FTP Upload

Clip Trimming

Audio Patching

Timecode Burn-in

WMV Encode/Decode

MPEG 2 Encode/Decode

Graphic/Text Overlaying

E-mail Alerts/Notifications

MXF Op1a Wrapping Toolset

Clip Concatenation (Joining)

Advanced MPEG2 Multiplexing

API tools - SOAP or XML driven

H.264 (.mov/.mp4) Encode/Decode

CMD Line processing to harness external applications

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ADDITIONAL SOFTWARE OPTIONS

Feature	Product Code
AVC-Intra and XAVC Codecs. Supports both decoding and encoding of AVC-Intra and XAVC material	**R6CA-AVC-I**
Dolby Digital 5.1 Surround Codec. Supported in both MPEG2 and H.264 containers, along with elementary streams	**R6CA-DD-5.1**
Image Sequence Option. Decode and encode of DPX, JPEG, BMP, TIFF, PNG, TARGA, Open EXR frame sequences. Red R3D decoding. Supports LUT transformation during transcode.	**R6CA-IMG**
Avid MXF File Generator. Creates Avid MXF formats incl. DNxHD, JFIF, XDCamHD, XAVC, H.264 Proxy, IMX. AAF creation, Multires support for dynamic relinking. Includes Media Composer "Send To" ContentAgent feature.	**R6CA-AVID-MXF**
Avid Turbo Pack. Creates DNxHR files at 2K, 4K & UHD. The pack also contains an optimised DNxHD encoder for faster transcoding. *Note - The R6CA-AVID-MXF option above is a prerequisite.*	**R6CA-AVID-TURBO**
Apple QuickTime ProRes Encoder. (ProRes, ProRes 422, ProRes 422 HQ). Supports timecode pass through/insertion.	**R6CA-PRORES**
Video Output. Digital video monitoring output over HDMI and SDI when used in conjunction with an AJA LHi card (not included). *Note - also works with other AJA cards - Deck control not supported.*	**R6CA-OP**
Integration Module for file-based QC tools. Tektronix Cerify / VidChecker / Interra Baton, Venera Pulsar. *Note QC software must be purchased separately.*	**R6CA-QC-INT**

ADDITIONAL SOFTWARE OPTIONS

Feature	Product Code
**Avid Media Central	Production Management**. Including Check-in, Edit While Transcoding and Watchfolder support.	**R6CA-AVID-INT**
Integration with WAN acceleration tools to automate delivery. Aspera (via PTP/Faspex) and FileCatalyst and Amazon S3 Uploader. *(Aspera FileCatalyst and Amazon S3 licenses NOT included)*	**R6CA-WANA-INT**
Integration with NexGuard. Supports automated forensic watermarking. (NexGuard license NOT included)	**R6CA-CIV-INT**
Integration with Minnetonka Audio Tools Server. For Dolby E processing. *(ATS is required separately)*	**6CA-ATS-INT**
Phase Correlation-based Motion Compensation Engine. • Standards conversion • Frame rate conversion • Resolution conversion (resizing) • Cadence correction *NOTE that this option requires that a NVIDIA Titan XP / Tesla K40 card (not supplied) is installed in the host CPU*	**R6CA-FRC**
Dark Energy plug in for Advanced Standards Conversion Module. Intelligent scaling from HD to 4K includes: • High Quality image Scaling • Denoise/degrain • Renoise/regrain with Texture Simulation	**9611-20016-00**
AS-11 DPP Broadcast Delivery Bundle including: • R6CA-DPP-IE UK AS-11 DPP Insert Edit option • R6CA-QC-INT QC integration module • R6CA-AVC-I AVC Intra codec	**R6CA-SWB-DPP**

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Add-on Software Packages

JobAgent - External software rendering engine installed on a separate host PC, increasing simultaneous transcode capabilities. Connects to ContentAgent via LAN. Additional software options need to be applied to JobAgent if render acceleration is needed for that option.
More details: http://www.root6technology.com/jobagent/

CardAgent - Simple, intuitive interface allowing operators to submit card-based media to ContentAgent for workflow processing. Supports local/SDI playback (appropriate hardware required), trimming and renaming. Single-user license. Windows only.
More details: http://www.root6technology.com/cardagent/

MetaAgent - Allows offline preparation of DPP Metadata and submits to ContentAgent processing with relevant media file.
More details: http://www.root6technology.com/metaagent/

Camera Card / Package Support

Wrapper	Base Package		Additonal Option	
	Decode	Encode	Decode	Encode
AS02			☑	
AS11			☑	☑
ARRI ALEXA & AMIRA	☑			
DJI	☑			
GoPro	☑			
RED			☑	
Panasonic P2	☑			
AVCHD	☑			
Sony XAVC and XAVC-S	☑			
Sony SXS	☑			
Sony XDCAM HD / EX	☑			
Canon XF	☑			
Canon EOS	☑			
Canon DSLR	☑			

Format Support

Wrapper	Format	Base Package		Additonal Option	
		Decode	Encode	Decode	Encode
AVI	Uncompressed	☑	☑		
	DV	☑	☑		
	Cineform			☑	☑
MXF OpAtom	DNxHD			☑	☑
	JFIF				☑
	AVC-Intra			☑	☑
	DV25, DV50, DV100			☑	☑
	XAVC			☑	☑
	JPEG2000			☑	REWRAP ONLY
	H.264 Proxy				☑
	XDCAM HD			☑	☑
	IMX			☑	☑
MXF Op1A	XDCAM HD	☑	☑		
	XDCAM EX	☑			
	IMX (D10)	☑	☑		
	AVC-Intra	☑			☑
	XAVC / XAVC-S	☑			☑
	JPEG2000			☑	
	DV	☑	☑		
	DVCPro	☑	☑		
RED	.r3d			☑	
	.rmd			☑	
MPEG	MPEG1	☑	☑		
	MPEG2 (PS, TS)	☑	☑		

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Format Support

Wrapper	Format	Base Package Decode	Base Package Encode	Additonal Option Decode	Additonal Option Encode
H.264	.mov	☑	☑		
	.mp4	☑	☑		
	.m4v	☑	☑		
	.3gpp	☑	☑		
Image Sequence	.dpx			☑	☑
	.tga			☑	☑
	.tiff			☑	☑
	.bmp			☑	☑
	.exr			☑	☑
	.png			☑	☑
	JPEG2000			☑	☑
Windows Media	WMV / VC1	☑	☑		
DV	.dv	☑	☑		
	.avi	☑	☑		
Quicktime	H.264	☑	☑		
	Legacy Codecs	☑	☑		
	AVID Codecs	☑	☑		
	3rd Party Codecs	☑	☑		
	ProRes 422 / 422HQ / 4444	☑			☑
Audio	WAV / PCM	☑	☑		
	MPEG	☑	☑		
	AAC	☑	☑		
	AC3 5.1	☑			☑
	Dolby-E			☑	

Please note all of the above is subject to change without notice, and is not necessarily comprehensive. For the most up to date information or more details please contact ROOT6 or your local reseller

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