

## Base ContentAgent Software Package Includes:

- ⚙ Workflow Tools
- ⚙ Watchfolders
- ⚙ Automated metadata-based decision making during workflows
- ⚙ FTP Upload
- ⚙ E-mail Alerts/Notifications (with HTML)
- ⚙ Integrated Playback (non-SDI)
- ⚙ DVD/Blu-ray Authoring (manual or automated)
- ⚙ CMD Line processing to harness external applications
- ⚙ Network/Local Copying
- ⚙ MD5 Checksum Creation/Verification
- ⚙ Audio Patching
- ⚙ Graphic/Text Overlaying
- ⚙ Clip Concatenation (Joining)
- ⚙ Clip Trimming
- ⚙ Full Metadata Management
- ⚙ Customized XML Output
- ⚙ API tools - SOAP or XML driven
- ⚙ Timecode Burn-in (from source or manual offset; can also count in feet/frames)
- ⚙ Video Cropping/Padding/Scaling
- ⚙ Basic Framerate Conversion
- ⚙ Advanced MPEG2 Multiplexing
- ⚙ Advanced MPEG4 Multiplexing
- ⚙ MPEG1/2 Encode/Decode
- ⚙ WMV Encode/Decode
- ⚙ H.264 (.mov/.mp4) Encode/Decode
- ⚙ AVI Encode/Decode

## Format Support

Wrapper	Format	Base Package		Additional 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				●
MXF Op1A	IMX				●
	XDCAM HD	●			●
	XDCAM EX	●			
	IMX (D10)	●			●
	AVC-Intra	●			●
	XAVC	●			●
	JPEG2000			●	
	DV	●			●
RED	DVCPro	●			●
	DNxHD	●			●
MPEG	.r3d			●	
	.rmd			●	
MPEG	MPEG1	●	●		
	MPEG2 (PS, TS)	●	●		
H.264	.mov	●	●		
	.mp4	●	●		
	.m4v	●	●		
	.3gpp	●	●		
Image Sequence	.dpx			●	●
	.tga			●	●
	.tiff			●	●
	.bmp			●	●
	.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			●	

**Camera Card/Package Support**

Wrapper	Base Package		Additional Option	
	Decode	Encode	Decode	Encode
AS02	●			
AS11	●			●
GoPro	●			
RED			●	
Panasonic P2	●			
AVCHD	●			
Sony XAVC	●			
Sony SXS	●			
Sony XDCAM HD/EX	●			
Canon XF	●			
Canon EOS	●			
Canon DSLR	●			
JVC	●			

*Please note 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.*

**Additional Options**

R6CA-AVC-I	<b>AVC-Intra Codec.</b> Supports both decoding and encoding of AVC-Intra and XAVC material. <i>NB - requires R6CA-MXF option for MXF wrapping</i>
R6CA-DD-5.1	<b>Dolby Digital 5.1 Surround Codec.</b> Supported in both MPEG2 and H264 containers, along with elementary streams.
R6CA-IMG	<b>Image Sequence Option.</b> Decode and encode of DPX, JPEG, BMP, TIFF, PNG, TARGA, and JPEG2000 frame sequences. Supports LUT transformation during transcode and audio multiplexing. Supports DPX Header info burn-in.
R6CA-AVID-MXF	<b>Avid MXF File Generator.</b> Creates Avid MXF formats incl. DNX HD, JFIF, XDCamHD, XAVC, JPEG2000, H.264 Proxy, IMX. Decode not supported. AAF creation included. Multires support for dynamic relinking.
R6CA-PRORES	<b>Apple QuickTime ProRes Encoder.</b> (ProRes, ProRes422, ProRes422HQ). Supports timecode pass through/insertion.
R6CA-MXF	<b>MXF Wrapper.</b> Supports OP1a clip wrapping including MPEG2, XDCAM SD (D10), XDCAM HD, XAVC and AVC-Intra.
R6CA-OP	<b>Video Output.</b> Digital video monitoring output over HDMI and SDI when used in conjunction with an AJA LHi card (not included). Note - a. works with other AJA cards - check with your local support representative and b. deck control not supported.
R6CA-DPP-IE	<b>UK AS-11 DPP Insert Edit Option.</b> <i>NOTES: 1. Insert Edit only works on UK AS-11 DPP files created in ContentAgent 2. requires AVC-Intra and MXF options</i>
R6CA-QC-INT	<b>Integration Module for file-based QC tools.</b> Tektronix Cerify/ VidCheck VidChecker/Interra Baton. QC software must be purchased separately. Supports two-way communication allowing users to setup automated start to finish workflows.
R6CA-AVID-INT	<b>Integration Module for Avid Interplay.</b> Automated check-in of media into Avid Interplay via AAF. Supports subfolder auto-creation and multiple Interplay servers.
R6CA-EP-INT	<b>Integration module for Telestream Episode Engine.</b> Connect to an existing Telestream Episode Engine configuration. Appears as a standard transcode option with full template read access.
R6CA-RED-INT	<b>Decode Red R3D.</b> Accelerated if Red Rocket card installed; 16-bit decode with resize enabling full 10-bit Avid DNxHD creation if R6CA-AVID-MXF has been purchased. Supports choice of debayering levels. Supports RMD LUT transformations.
R6CA-ATS-INT	<b>Integration with Minnetonka Audio Tools Server.</b> For Dolby E processing. ATS is required separately.
R6CA-FRC	<b>Phase Correlation-based Motion Compensation Engine.</b> <ul style="list-style-type: none"> <li>Standards conversion</li> <li>Frame rate conversion</li> <li>Resolution conversion (resizing)</li> <li>Cadence correction</li> </ul> <i>NOTE that this option requires that a NVIDIA Tesla K20/K40 card (not supplied) is installed in the host CPU.</i>
R6CA-FRC-DE	<b>Dark Energy plug in for Advanced Standards Conversion Module.</b> High Quality image Scaling eg HD to 4K <ul style="list-style-type: none"> <li>Denoise/degrain</li> <li>Reoise/regarin with Texture Simulation</li> </ul> <i>NOTE that the Advanced Standards Conversion Module is a prerequisite</i>

**Software Option Bundles**

R6CA-SWB-BC	<p><b>Broadcast Delivery Bundle including:</b></p> <ul style="list-style-type: none"> <li>• R6CA-MXF MXF wrapper</li> <li>• R6CA-QC-INT QC integration module</li> <li>• R6CA-AVC-I AVC Intra codec.</li> </ul>
R6CA-SWB-ED	<p><b>Editorial Software Bundle including:</b></p> <ul style="list-style-type: none"> <li>• Avid Interplay Integration Option</li> <li>• R6CA-AVID MXF</li> </ul>
R6CA-SWB-FI	<p><b>Film Software Bundle including:</b></p> <ul style="list-style-type: none"> <li>• R6CA-IMG Image Sequence Option</li> <li>• R6CA-RED-INT R3D Decoder Option</li> </ul>

**Add-on Software Packages**

JobAgent	<p>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: <a href="http://www.root6technology.com/jobagent/">http://www.root6technology.com/jobagent/</a></p>
CardAgent	<p>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: <a href="http://www.root6technology.com/cardagent/">http://www.root6technology.com/cardagent/</a></p>
MetaAgent	<p>Allows offline preparation of DPP Metadata and submits to ContentAgent processing with relevant media file. More details: <a href="http://www.root6technology.com/metaagent/">http://www.root6technology.com/metaagent/</a></p>



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