

EDIUS XRE

Datasheet

Conform Engine for EDIUS Workgroup





EDIUS XRE (eXternal Rendering Engine) gives users in a workgroup the freedom to spend their time editing — not rendering or conforming — video projects.

EDIUS XRE from Grass Valley, a Belden Brand, is a networked, dedicated workstation that renders files in the background, instantly freeing up your EDIUS Workgroup editing workstation — or workstations — to work on new projects.

Supplied as a complete turnkey system and connected via Ethernet and/or Fibre Channel*, EDIUS XRE performs the dual role of **controller** — assigning, managing and, where necessary, re-assigning rendering jobs — and **render engine**, supporting the extensive list of formats and codecs that has made EDIUS such a force in broadcast production.

Requesting a rendering job is as simple as selecting "Print to File" from the EDIUS workstation, the file format preset and the destination server. Once the instruction has been sent to the server, you are free to carry on with a new project, removing delays and unwanted bottlenecks. Any workstation on the network can check job histories and the progress of current rendering jobs using the XRE Monitor software application supplied. Using XRE Monitor, you can view, pause, restart, cancel and check the properties of any render in the job list.

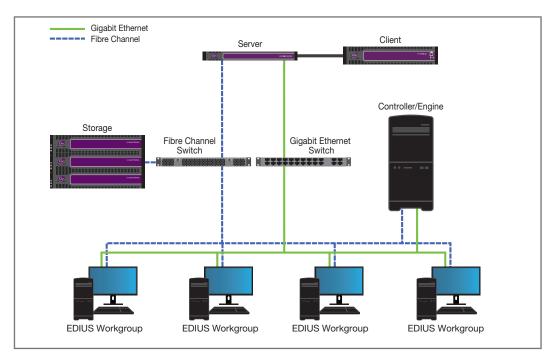
XRE Monitor also has a management mode which allows network administrators to re-prioritize render jobs by moving them up or down the job list.

* If EDIUS XRE is used in a K2 server configuration, Ethernet AND Fibre Channel are required. If EDIUS XRE is deployed in a simple network system, Fibre Channel is not necessary.

EDIUS XRE Conform Engine for EDIUS Workgroup

KEY FEATURES

- Supplied as a complete turnkey system by the Grass Valley reseller
- Works in an EDIUS Workgroup production system
- Multiple users can send jobs to a single EDIUS XRE workstation
- Multiple XRE units can be in the same shared environment
- Background operation register a job and continue to use EDIUS while exporting to XRE
- Easy-to-use, intuitive GUI for job registration and priority management
- Current job(s) can be suspended or cancelled to allow higher priority jobs to be conformed
- Supports XDCAM, XAVC, XAVC S, AVC-Intra, AVC-Ultra, MXF, CMF and Grass Valley HQX



Export Format List

Note: EDIUS Workgroup 8.1 or above is required.

Format or Container	Codec	Extension	
AVCHD		*.m2ts	
AVCHD 3D		*.m2ts	
	DV		
	DVCPRO 50		
	DVCPRO HD		
AVI	Grass Valley HQ	*.avi	
	Grass Valley HQX		
	Grass Valley Lossless		
	Uncompressed		
Blu-ray	H.264/AVC	*m2ts	
Blu-ray 3D	H.264/AVC	*m2ts	
DVD	MPEG-2	—	
Flash Video	H.264/AVC	*.f4v	
	MPEG-2 I-frame only		
	MPEG-2 Long GOP	-	
GF	DV	*.xml / *.mxf	
Gi	DVCPRO 25		
	DVCPRO 50		
	SD		
H.264/AVC	H.264/AVC	*.mp4	
HDV	MPEG-2 Transport Stream	*.m2t	

Export Format List (cont.)

Codec	Extension	
DV		
JPEG 2000		
D10	*.xml / *.mxf	
MPEG		
H.264/AVC	*.mp4	
AVC-Intra 50	· · · · · · · · · · · · · · · · · · ·	
AVC-Intra 100		
AVCHD		
D10		
DNxHD		
DV		
DVCPRO HD		
MPEG-2		
	*.GXF	
	*.m2v	
	*.mpg / *.m2p	
	*.mp4	
	*.mxf	
JPEG 2000		
MPEG-2		
MPEG-2 AVC-Intra 50		
AVC-Intra 50		
AVC-Intra 50 AVC-Intra 100		
AVC-Intra 50 AVC-Intra 100 AVC-LongG	* xml + *.mxf	
AVC-Intra 50 AVC-Intra 100 AVC-LongG DV	*.xml + *.mxf	
AVC-Intra 50 AVC-Intra 100 AVC-LongG	*.xml + *.mxf	
	DVJPEG 2000D10MPEGH.264/AVCAVC-Intra 50AVC-Intra 100AVC-LongGAVC-LongGD10D10DNxHDDVDVCPRO HDMPEG-2AVC-LongGD10DVCPRO HDMPEG-2AVC-LongGD10DVCPRO HDDVCPRO 50DVCPRO 25DVCPRO 4DDJPEG 2000MPEG-2MPEG-2MPEG-2MPEG-2MPEG-2MPEG-2MPEG-2MPEG-2DVCPRO 50DVCPRO HDJPEG 2000MPEG-2MP	

*1 When exporting from EDIUS Workgroup only.

Export Format List (cont.)

Format or Container	Codec	Extension	
P2 3D	AVC-Intra 50	*.xml / *.mxf	
	AVC-Intra 100		
Panasonic AG-3DA1	AVCHD	*.m2ts	
PlayStation	H.264/AVC	*.mp4	
QuickTime* ²	Grass Valley HQ	*.mov	
Quick Time -	Grass Valley HQX		
Windows Media		*.wmv	
	XAVC-Intra	*.xml / *.mxf	
XAVC	XAVC Long GOP	*.xml / *.mxf	
	XAVC S	*.xml / *.mp4	
	DVCAM		
VECAM	MPEG IMX	*	
XDCAM	MPEG HD	*.xml / *.mxf	
	MPEG HD422		
VDCAM EV	DVCAM	*.xml / *.mp4	
XDCAM EX	MPEG HD		
XDCAM EX 3D	MPEG HD	*.xml / *.mp4	

*2 Codecs other than Grass Valley HQ/HQX will vary according to configuration.

Current default	Recently used My presets All — AVCHD — AVI — DVCHO HD — DVCHO HD — DVCHO S0 — Grass Valley HQ — Grass Valley HQ — Grass Valley Lossless — Uncompressed — GF — H.264/AVC — HDV	Preset Grass Valley HQX SuperFine Grass Valley HQX Fine Grass Valley HQX Standard Grass Valley HQX Offline Grass Valley HQX (Alpha) SuperFine Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Fine		
My precess All -AVCHD -AVCHD -AVI DV DV DVCPROND Grass Valley HQX SuperFine 10bit 4:2:2 Online (Standard) DVCPROND DVCPROND DVCPROSD Grass Valley HQX HDW Grass Valley HQX Grass Valley HQX HDW HDW HDW HDW HDW Grass Valley HQX Grass Valley HQX HDW HDW HDW HDW Grass Valley HQX	My presets All AVCHD AVI DV DVCPRO HD DVCPRO 50 Grass Valley HQX Grass Valley HQX Grass Valley Lostless Uncompressed Grass Valley Lostless Uncompressed Grass Valley Lostless 	Grass Valley HQX SuperFine Grass Valley HQX Fine Grass Valley HQX Standard Grass Valley HQX Offline Grass Valley HQX (Alpha) SuperFine Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Fine		
All Grass Valley HQX SuperFine 10bit 4:2:2 Online (SuperFine) - AVT Grass Valley HQX Fine 10bit 4:2:2 Online (SuperFine) - AVT Grass Valley HQX Standard 10bit 4:2:2 Online (SuperFine) - DV Grass Valley HQX Offline 10bit 4:2:2 Online (SuperFine) - DVCPRO 50 Grass Valley HQX Offline 10bit 4:2:2 Online (SuperFine) - Grass Valley HQX Grass Valley HQX (Alpha) SuperFine 10bit 4:2:2:4 Online (SuperFine) - Grass Valley HQX Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) - Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) 10bit 4:2:2:4 Online (Standard) - Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) 10bit 4:2:2:4 Online (Standard) - Grass Valley HQX INTSC 720x480 59.94 10bit 4:2:2 10bit 4:2:2 - Grass Valley HQX INTSC 720x576 501 10bit 4:2:2 10bit 4:2:2 - HDV - Grass Valley HQX IMEN 1280x720 1280x720 16:9 10bit 4:2:2 - MKF - Grass Valley HQX IMEN 140×11080 1280x1080 1280x1080 - MKF - P2 - Grass Valley HQX AVI Exporter Plug-In for Grass Valley HQX Compr - Grass Valley HQX - Grass Valley HQX AVI Ex	All AUCHD AVCHD AVCHD VCPRO HD DVCPRO 50 Grass Valley HQX Grass Valley Lostess Uncompressed GF H.264/AVC HDV	Grass Valley HQX Fine Grass Valley HQX Standard Grass Valley HQX Offline Grass Valley HQX (Alpha) SuperFine Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Standard		
AVCHD A	- AVCHD - AVT - DV - DVCPRO HD - DVCPRO 50 - Grass Valley HQX - Grass Valley HQX - Grass Valley HQX - Grass Valley Lossless - Uncompressed - GF H.264/AVC HDV	Grass Valley HQX Fine Grass Valley HQX Standard Grass Valley HQX Offline Grass Valley HQX (Alpha) SuperFine Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Standard		
- AVI DV DV DV DV(ORC0 HD DVCPRO50 Grass Valley HQX Offline 10bit 4:2:2 Offline (Standard) DVCPRO50 Grass Valley HQX (Alpha) SuperFine 10bit 4:2:2:4 Online (Standard) Grass Valley HQX Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley Lossless Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley Lossless Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley Lossless Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley HQX NTSC 720x480 59 44 bit 4:2:2 Grass Valley HQX HQX 1280x720 Grass Valley HQX 1280x1080 1280x700 16:9 10bit 4:2:2 Grass Valley HQX 1280x1080 HDV Grass Valley HQX 1280x1080 1280x1080 16:9 10bit 4:2:2 HDV Grass Valley HQX 1920x1080 1920x1080 16:9 10bit 4:2:2 MKF P2 Grass Valley HQX AVI Exporter Flug-in for Grass Valley HQX Compr Export Bctween In and Out Diplay Tmecode Search	- AVI - DV - DVCPR0 HD - DVCPR0 50 - Grass Valley HQ - Grass Valley HQX - Grass Valley HQX - Grass Valley Lossless - Uncompressed - GF H.264/AVC HDV	Grass Valley HQX Standard Grass Valley HQX Offline Grass Valley HQX (Alpha) SuperFine Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Standard		
DV DVCPRO H0 DVCPRO D0 Grass Valley HQX Cffline 10bit 4:2:2:4 Online (SuperFine) DVCPRO D0 Grass Valley HQX Grass Valley HQX (Alpha) SuperFine 10bit 4:2:2:4 Online (Standard) Grass Valley HQX Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley HQX Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley HQX Grass Valley HQX (Alpha) Offline 10bit 4:2:2:4 Online (Standard) Grass Valley HQX Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley HQX Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley HQX Grass Valley HQX NTSC 720x480 59.941 10bit 4:2:2 Grass Valley HQX Grass Valley HQX 1280x720 1280x720 16:9 10bit 4:2:2 Grass Valley HQX 1420x1080 1280x1080 16:9 10bit 4:2:2 Grass Valley HQX 1420x1080 1490x1080 16:9 10bit 4:2:2 MPEG Grass Valley HQX 1920x1080 1920x1080 16:9 10bit 4:2:2 MKF Exporter Grass Valley HQX Compr P2 QukTime Grass Valley HQX AVI Exporter Plug-In for Grass Valley HQX Compr Export Between In and Out Display Timecode <td></td> <td>Grass Valley HQX Offline Grass Valley HQX (Alpha) SuperFine Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Standard</td> <td></td> <td></td>		Grass Valley HQX Offline Grass Valley HQX (Alpha) SuperFine Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Standard		
PUCRRO HD DVCRROS0 Grass Valley HQX (Alpha) SuperFine 10bit 4:2:2:4 Online (SuperFine) Grass Valley HQX Grass Grass Valley HQX Grass Grass Valley HQX Grass Grass Valley HQX Grass	DVCPROS0 Grass Valley HQ Grass Valley HQX Grass Valley HQX Grass Valley Lossless Uncompressed GF H.264/AVC HDV	Grass Valley HQX (Alpha) SuperFine Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Standard		
DVCPROSO Grass Valley HQX Grass	Grass Valley HQ — Grass Valley HQX — Grass Valey Losdess — Uncompressed — GF H.264/AVC — HDV	Grass Valley HQX (Alpha) Fine Grass Valley HQX (Alpha) Standard		
Grass Valley HQX Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley HQX Grass Valley HQX (Alpha) Standard 10bit 4:2:2:4 Online (Standard) Grass Valley HQX (Mpha) Offline 10bit 4:2:2:4 Online (Standard) Grass Valley HQX NTSC 720x400 59 J41 bbit 4:2:2 Grass Valley HQX NTSC 720x400 59 J41 bbit 4:2:2 Grass Valley HQX NTSC 720x400 59 J41 bbit 4:2:2 H.264/AVC Frass Valley HQX 1280x720 HDV Grass Valley HQX 1280x720 Infinity Grass Valley HQX 1280x1080 K2 Grass Valley HQX 1280x1080 MPEG Grass Valley HQX 1920x1080 MXF P2 QuickTime Grass Valley HQX AVI Grass Valley HQX Grass Valley HQX Compr Export Between In and Out Display Timecode	Grass Valley HQX Grass Valley Lossless Uncompressed GF H.264/AVC HDV	Grass Valley HQX (Alpha) Standard		
Crass Valley Logs Grass Valley HQX (Alpha) Offline 1.0compressed Gr Grass Valley HQX PAL Tofnity Grass Valley HQX 1280x720 1.264/AVC HOV Tofnity Grass Valley HQX 1280x1280 Grass Valley HQX 1420x1080 K2 Grass Valley HQX 1420x1080 Grass Valley HQX 1420x1080 K2 Grass Valley HQX 1440x1080 MCF P2 QuickTime Grass Valley HQX Grass Valley HQX Crass	Grass Valley Lossless Uncompressed GF H.264/AVC HDV			
Grass Valley HQX MTSC 720x480 59.941 (Jblt 4:2:2) GF Grass Valley HQX MTSC 720x480 59.941 (Jblt 4:2:2) H.264/AVC Grass Valley HQX MTSC 720x576 501 (Jblt 4:2:2) HDV Grass Valley HQX 1280x720 1280x720 (Jblt 4:2:2) HDV Grass Valley HQX 1280x700 1280x1080 (Jblt 4:2:2) MDV Grass Valley HQX 1280x1080 1280x1080 (Jblt 4:2:2) Grass Valley HQX 1920x1080 1440x1080 (Jblt 4:2:2) K2 MPEG Grass Valley HQX 1920x1080 MVF Exporter Exporter P2 Grass Valley HQX Grass Valley HQX AVI Grass Valley HQX Image: Grass Valley HQX Compr Grass Valley HQX Image: Grass Valley HQX AVI Exporter Plug-In for Grass Valley HQX Compr Export Between In and Out Display Tmecode Search	Uncompressed GF H.264/AVC HDV	Grass Valley HOX (Alpha) Offline		
GF H: Grass Valley HQX PAL 720x576 501 10bit 4:2:2 H: Grass Valley HQX 1280x720 1280x720 16:9 10bit 4:2:2 HOV Infinity Grass Valley HQX 1280x1080 1280x1080 16:9 10bit 4:2:2 MPEG If Grass Valley HQX 1920x1080 MPEG If Grass Valley HQX 1920x1080 MVF Put QuickTime If Grass Valley HQX AVI Grass Valley HQX Exporter Flug-In for Grass Valley HQX Compr Export Between In and Out Display Timecode	- GF H.264/AVC HDV			
H.264/AVC H.264/AVC HDW H.264/AVC HDW H.264/AVC HDW H.364/AVC HDW Grass Valley HQX 1280x720 1280x720 16:9 10bit 4:2:2 Infinity Grass Valley HQX 1280x1080 1280x1080 16:9 10bit 4:2:2 MVFG Grass Valley HQX 1920x1080 1920x1080 16:9 10bit 4:2:2 MVF Frass Valley HQX 1920x1080 1920x1080 16:9 10bit 4:2:2 Exporter Exporter Image: Crass Valley HQX AVI Grass Valley HQX Image: Crass Valley HQX Compr Image: Crass Valley HQX Compr Export Between In and Out Display Timecode Search	HDV			
HDV Infinity Infinity Infinity HZ Infinity HZ Infinity HZ Infinity MPEG Infinity MVF Infinity P2 Infinity QuickTime Infinity Grass Valley HQX Image: Comparison of the state of the s				
Infinity B. Grass Valley HQX 1440x1080 1440x1080 1440x1080 1619 10bit 4:2:2 -K2 MPEG If Grass Valley HQX 1920x1080 1920x1080 1920x1080 1920x1080 -MKF Exporter If Grass Valley HQX AVI Exporter Plug-In for Grass Valley HQX Compr -QuickTime If Grass Valley HQX AVI Exporter Plug-In for Grass Valley HQX Compr -Grass Valley HQX Image: Display Timecode Search	Tofinity			
K2 MPEG If Grass Valley HQX 1920x1080 1920x1080 1920x1080 1619 10bit 4:2:2 MXF P2 Exporter If Grass Valley HQX AVI Exporter Plug-In for Grass Valley HQX Compr Grass Valley HQX Image: Compression of the second				
PHPES Exporter PVZ Exporter QuickTime Grass Valley HQX Grass Valley HQX Image: Comparison of the second of the seco				
P2 QuickTime Grass Valley HQ Grass Valley HQ Grass Valley HQ Display Timecode Export Between In and Out Display Timecode Disp				
QuidkTime Grass Valley HQ Grass Valley HQ Compr Grass Valley HQ Compr Grass Valley HQX Display Timecode Search				
Grass Valley HQ Grass Valley HQX Export Between In and Out Display Timecode Search		Grace Valley HOX AVI	Exporter Riug in for Grass Valley HOX Compr	
Export Between In and Out Display Timecode Search			Experter ring inter crass rancy right comparing	
	Grass Valley HQX 💌			
Enable Conversion Export in 16hit/2ch		Display Timecode		
	🗹 Enable Conversion	Export in 16bit/2ch		
		▼ Priority Normal ▼ Comment		
VRE Server XREServer1 Priority Normal Comment				
Server KREServer1 Priority Normal Comment	Advanced			
Server KREServer 1 Priority Normal Comment	Save as default	nte cat		Export Cancel

SPECIFICATIONS & ORDERING

EDIUS XRE systems are sold as custom, turnkey systems through Grass Valley resellers.



GVB-1-0086B-EN-DS

Belden, Belden Sending All The Right Signals and the Belden logo are trademarks or registered trademarks of Belden Inc. or its affiliated companies in the United States and other jurisdictions. Grass Valley and EDIUS are trademarks or registered trademarks of Grass Valley. Belden Inc., Grass Valley and other parties may also have trademark rights in other terms used herein.

WWW.GRASSVALLEY.COM Join the Conversation at GrassValleyLive on Facebook, Twitter, YouTube and Grass Valley - A Belden Brand on LinkedIn.