



TelVue Princeton™ T7400E

Multi-format Transcoding Workstation

Encode, Transcode and Edit MPEG Digital Video Files

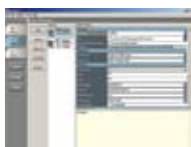
File-based broadcasting lets you dramatically improve your station's operations. But to get there, you'll need a cost effective way to encode your analog NTSC video to high quality digital files, edit and then apply transcoding to multiple formats when required. Now, you can begin to transform your station's workflow with our high performance T7400E Multi-format Encoding and Transcoding Workstation.

The T7400E features a blazing fast Quad-core processor and can be equipped with any one of three different real-time MPEG-2 encoder cards to meet your unique station needs. The basic "MVR" encoder option provides standard MPEG-1 & 2 encoding of NTSC (or PAL) analog video and stereo audio inputs. The MVR also provides an on-screen confidence monitor and a MPEG play-out channel for content previews to an external TV monitor. You can choose an optional MPEG-1/2/4 encoder card that support analog and/or SDI inputs and professional (9-pin) deck control.

The T7400E makes your transcoding workflow a breeze via configurable hot folders. The T7400E transcoding application allows automatic and batch conversion to and from popular formats including MPEG-2, DV, Flash Video, H.264, Windows Media and more. Filters may be applied automatically as well such as audio level normalization to be sure your Broadcast and Web video libraries maintain consistent levels. The T7400E ideal for those stations delivering their content on the Web, and with the optional On2 VP6 plug-in, provides the high quality, automated Video-on-Demand file creation option for TelVue's PEG-TV™ streaming video service.

The T7400E includes a native MPEG-2 video editing application for fast edits without re-rendering and supports Dual Layer DVD compatible authoring and burning.

The T7400E is the perfect companion to the TelVue Princeton™ Series Digital Broadcasters or can enhance your workflow if you use a legacy video server. With one or more T7400E's in your station you can be certain that the new video files you create will play out perfectly on your station's digital video server and will be ready for web publishing.



MPEG-2 Encoding Interface



Native MPEG-2 Editing

FEATURES

- Tower PC Workstation
- Intel Quad Core CPU processor
- Quiet "smart-fan" operation
- Windows XP Professional OS
- Integrated MPEG hardware based Encoding
- Native MPEG-2 Editing Application
- Dual Layer DVD Authoring and Burning
- 1 x 500 GB SATA II hard drive
- 10/100/1000 Mb/s network interface for content transfers and previews
- Specially designed for PEG-TV stations for converting analog video into digital video files

OPTIONS

- 17" LCD Display, keyboard, mouse and speakers
- Analog to MPEG-1/2/4 encoding with Sony 9-pin professional deck control
- SDI to MPEG-1/2/4 encoding with Sony 9-pin professional deck control
- Edius™ Professional multi-format video editing

T7400E Specifications



File-based broadcasting makes your station more efficient and cost effective. When you go digital with TelVue, you get all the tools you need to encode, transcode, store, analyze, process and play-out MPEG and web media files. Best of all, you can be sure that all TelVue Princeton™ products integrate together and make you and your station more productive.

Real-time MPEG Encoder Options	
- MVR	MPEG - 1 / 2 Program Stream - CBR / VBR
- 200	MPEG - 1 / 2 / 4 Program or Transport Stream - CBR / VBR
- 250	MPEG - 1 / 2 / 4 Program or Transport Stream - CBR / VBR

Video Encoding	
Formats	MVR Encoder: MPEG-1/2 PS, 200 & 250 Encoders: MPEG - 1/2/4 PS & TS
Resolution	Up to 720x480 full D1
Bit Rates	MVR - Up to 12Mbps, 200 & 250 - Up to 15Mbps
Frame Rate	Up to 30.00 FPS
Audio Format	MPEG Layer II up to 384Kbps

Video Interface	
- MVR	Composite (NTSC / PAL) Video on RCA / S-Video, Stereo Audio on RCA
- 200	Composite (NTSC / PAL) Video on BNC / Balanced Audio on XLR
- 250	SDI or Composite (NTSC / PAL) Video on BNC / Balanced Audio on XLR

VTR Deck Control	
- MVR	None
- 200	RS-422 - 9-pin standard protocol
- 250	RS-422 - 9-pin standard protocol

Confidence Monitor	
- MVR	On-screen & Preview Play-out on rear panel - NTSC/PAL Composite Video & RCA
- 200	Optional: w/ companion SDI decoder PCI card
- 250	Optional: w/ companion SDI decoder PCI card

Physical	
Power Requirement	100/240V
Power Consumption	645 Max
Dimension	8.5"H x 22.25"W x 22.3"D
Form Factors	Tower PC
Weight	40 lbs

Optional Software	
Edius™	Multi-format Non-linear Video Editing Application

Compatibility	
Video Servers	B100, B1000 + B3000 Series

Internal Storage	
Capacity	500 GB
Drives	SATA II

DVD Drive / Burner	
DVD	Dual Layer / +R

Networking	
Protocols	FTP, HTTP, SMB
Throughput	Up to 80 Mbps
Interface	Dual - 10/100/1000BT

External Interfaces & Connections (Typically Used)	
Front Panel	Power / Drive LEDs / Power / Reset Switch / USB 2.0
Rear Panel	10/100/1000 Mb/s, Link/Data LEDs 2 x USB 2.0

Note: Specifications are subject to change without notice.

TelVue Corporation is a broadcast technology company that helps hyperlocal television channels achieve professional results at affordable prices. TelVue achieves these results by using our proprietary digital media software and today's open technologies to simplify professional broadcast equipment and workflow. As a result, our customers benefit from improved programming, reduced costs and are better positioned to meet the new challenges of a rapidly changing industry.

