



TelVue Princeton™ B1000 Digital Broadcaster

Broadcast TV - Without the Cost and Complexity

Eliminate the complexity and expense associated with other video playout systems. The TelVue Princeton™ B1000 Digital Broadcaster is a digital broadcast system that provides a fully integrated "TV Station-in-a-Box" experience.

The B1000 is the workhorse of the TelVue Princeton™ video server fleet. Like our industry-standard B100 Digital Broadcaster, the TelVue Princeton™ B1000 Digital Broadcaster provides an all-in-one video system, ready to broadcast 24/7 video programming within minutes of setup. Yet, armed with up to two terabytes of RAID protected storage, the B1000 has the advanced video programming tools and capacity suitable for most medium and large sized community television stations.

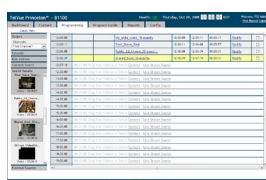
Uploading video files and ingesting DVD programming to the TelVue Princeton™ B1000 is as simple as drag and drop. Add internet access, and you can control your B1000 from anywhere in the world. The B1000 also automatically publishes a searchable program guide for your website. First time operators can schedule a full day of programming in minutes. More experienced operators may utilize advanced features like graphic overlays to prepare a TV channel that rivals many professional broadcast systems.

The B1000 works with TelVue Princeton's complete offering of video archive servers, encoders, transcoders and editing solutions. Upgrade options include the ability to control video matrix switchers and legacy playback equipment. Additionally, when you're ready to move your successful TV channel to the Internet, TelVue provides the tools necessary for live streaming and Video-on-Demand with our PEG.TV™ solution.

The B1000 Digital Broadcaster optionally integrates with TelVue's WEBUS® Inside bulletin board and digital signage service, providing true multi-user video message board services to the important organizations in your community.



Intuitive Content Management System



Drag and Drop Scheduling

APPLICATIONS

- Local TV Channel Origination
- Public, Educational & Government Channels
- Cable Local Origination / Leased Access
- On-Campus Student TV Broadcasting
- Community Info / Emergency Channels
- Digital Signage
- Digital Cinema & Entertainment Channels
- DTV Auxiliary Video Channels

FEATURES

- A complete "TV Station-In-A-Box" system
- Broadcast MPEG files, DVD & image files
- Up to 2TB of internal RAID storage
- IT-Friendly, supports FTP, SMB, HTTP & NTP
- Operate securely from any Web browser
- Simplified scheduling with drag and drop
- Customizable content categories
- Overlay graphics and lower thirds
- Virtual trims, auto-fade & continuity
- Control optional switchers, decks & IR devices
- Program guide integrated on your website
- Integrated audio normalization

BENEFITS

- Low cost and easy to operate
- Safely store hundreds of hours of video
- Expandable chassis
- Designed for 24 x 7 reliability
- Just 1RU (1.75") of rack space



B1000 Specifications

Our high performance TelVue Princeton™ B1000 Digital Broadcaster can transform your entire TV station operation. Yet, we engineered it with simplicity in mind. The innovative playout scheduler makes it easy to broadcast a full schedule of recurring and one-time programs. All scheduling features are available using a standard web browser.

Video Playout	
Video Output	NTSC Composite (B1400 4x outputs)
Audio Output	Analog Stereo (Balanced or Unbalanced)
MPEG Decoder	Integrated H/W decoder up to D1 resolution (720x480)
IP Streaming	Simultaneous MPEG over IP

Program Scheduling	
Interface	Integrated HTML browser - based (secure)
Playlists	Scheduled time - based program playouts
Recurring	Scheduled recurring playout
Station Timing	Locked to NTP standard
Continuity	Auto-play default content or auto-switch on program gaps
Events	Video, image, capture, switch, device, overlays

On-Screen Display & Emergency Notifications	
OSD	Station logos
	RSS based - Date, time and temperature
Video Messaging	WEBUS® Compatible
Emergency	Text and graphic emergency messaging
	Trigger emergencies remotely via the web

Storage	
Capacity	1TB Usable Standard (up to 2TB optional)
Drives	4 x 500GB SATA II Standard (4 x 750GB optional)
RAID Levels	Software RAID1 for system and RAID 5 for media
High Availability	RAID 1 for system
	RAID 5 for media

Options	
Video Switch	Control Knox, Sigma, Sierra and more via RS-232
Device Control	8 IR, 2 - RS-232/422, 4 - Contact Closures per Ethernet-enabled Controller

Physical	
Power	100 - 240VAC / 300 Watts
Dimension	17.2" x 1.7" x 19.2" (W x H x D)
Weight	16 lbs
Form Factors	1RU Standard

Content	
Formats	MPEG-1/2 CBR & VBR, DVD, Flash, JPEG, BMP, GIF, PNG, HTML
	MPEG-1 Layer II, AC-3, Linear PCM Audio
Bit Rates	Up to 1.5 Mbps
High Availability	Content Analysis & Validation

Content Introduction	
Protocols	FTP & SMB
Throughput	Up to 100 Mbps
Interface	10/100/1000BT

Network Management	
Interfaces	Web Browser
Protocols	SMB, HTTP, NTP
	Remote management and software upgrades
Features	Environment monitoring
High Availability	Linux, RAID

Software	
OS	Linux
Device Drivers	All standard drivers
Application	Schedule Playout, Overlay, Switch, Encoder, Device events
	Drag and Drop scheduling, event recur and ripple
	Content management
	Custom, searchable metadata and categories; Thumbnails
	Integrated drag and drop DVD ingest
	Website program guide automatic generation
	Playlist import/export
	Integrated audio normalization
	Integrated network firewall
	XML-TV/ TV Guide metadata
	GDP traffic
	VDCP

External Interfaces & Connections (Typically Used)	
Front Panel	CD-ROM, USB
	Power/Fail/Drive LEDs, Power/Reset Switch
Rear Panel	Dual 10/100BT/1000BT, Link/Data LEDs
Output A/V	Video on BNC, Audio on mini-XLR (RCA with cable), Ethernet for IPTV

Note: Specifications are subject to change without notice.

TelVue Corporation is a broadcast technology innovator and leader in community and hyperlocal television broadcast delivery. The company's products and services enable our customers to dramatically streamline and enhance their channel programming and delivery, reduce costs, and be better positioned to meet the new challenges of a rapidly evolving industry. TelVue's professional quality equipment and services include; digital video servers, broadcast automation and workflow applications, live internet streaming, video on demand, and multi-user digital signage.

