



# TelVue Princeton™ B100

## Digital Broadcaster

### Broadcast TV - Without the Cost and Complexity

Eliminate the complication and expense often associated with video tape based playback systems. TelVue Princeton's B100 Digital Broadcaster delivers a completely digital "TV Station-In-A-Box" broadcast system; the hassle-free way to launch a high quality professional looking 24x7 TV channel.

The B100 Digital Broadcaster is an all-in-one video system that can be ready to broadcast video programming within minutes of un-packing. It's so simple to use a first-time operator can schedule a full day of programs in just a few minutes. A more experienced operator might take advantage of the B100's sophisticated programming and graphic overlay features to originate a channel that rivals professional systems. All operators will appreciate the B100's space efficient chassis size, quiet operation and affordable solution to their station workflow requirements.

Uploading video files and ingesting DVD programming to the B100 Digital Broadcaster is as simple as drag and drop. Add remote Internet access, and you can control your B100 with a Web browser from anywhere in the world. The B100 also automatically publishes a searchable program guide for your website.

When you're ready to expand your B100 Digital Broadcaster, you can easily add options to control small or large video matrix switchers and legacy playback equipment. You can even expand without having to replace the base video server with TelVue Princeton's video archive servers, encoders, transcoders, and editing solutions. And when you're ready to move your successful TV channel programming to the Internet, TelVue supports you with the tools necessary for live video streaming with our newly launched PEG.TV™ solution. The B100 also supports RSS feed publishing of iPod™ compatible digital video files.

**The B100 Digital Broadcaster optionally integrates with TelVue's WEBUS® Video Messaging system, providing true multi-user video message board services to the important organizations in your community.**



**Intuitive CMS**



**User Friendly  
Drag and Drop Scheduling**

### APPLICATIONS

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

### FEATURES

- A complete "TV Station-In-A-Box" system
- Broadcast MPEG files, DVD & image files
- 500 GB of internal 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

### BENEFITS

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

# B100 Specifications



Our economical B100 Digital Broadcaster can transform your entire Public Access, Educational or Government TV station operation. We've engineered the B100 with simplicity and reliability in mind through our use of Linux open source technology. Its innovative play-out 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. Remote control and management gives you unmatched flexibility.

Video Playback	
Video Output	NTSC Composite / Component
Audio Output	Analog Stereo (Bal or Unbalanced)
MPEG Decoder	Integrated H/W decoder 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
	Flash, HTML based Dynamic full-motion lower thirds
Video Messaging	Webus Compatible

Storage	
Capacity	500 GB
Drives	1

Options	
Video Switch	Control Knox, Sigma, Sierra and more via RS-232
Device Control	8 IR, 1 - RS-232/422 per Ethernet-enabled Controller

Physical	
Power	100 - 240VAC / 760 Watts
Dimension	17.2" x 1.7" x 10" (W x H x D)
Weight	10 lbs
Form Factors	1RU 19" 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 12 Mbps
High Availability	Content Analysis & Validation

Content Introduction	
Protocols	FTP & SMB
Throughput	Up to 80 Mbps
Interface	10/100/1000BT

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

Cable / DTV / Sat.	NTSC Video Broadcast (PAL Optional)
IPTV	MPEG-2 over UDP
Point-of-Sale	Playout to video monitors
Digital Signage	Playout to video monitors

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

External Interfaces & Connections (Typically Used)	
Front Panel	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 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.

