



TelVue Princeton™ B100-ASI Digital Broadcaster

Broadcast TV - Without the Cost and Complexity

TelVue Princeton's B100-ASI 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-ASI Digital Broadcaster is an all-in-one video system that can be ready to broadcast standard or high definition 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-ASI's sophisticated programming to originate a channel that rivals professional systems. All operators will appreciate the B100-ASI space efficient chassis size, quiet operation and affordable solution to their station workflow requirements.

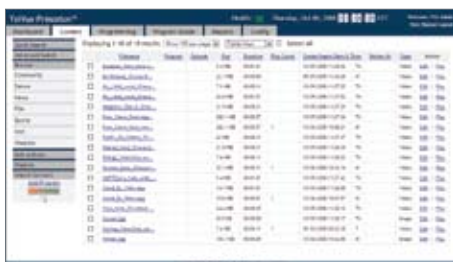
Uploading MPEG-2 Transport stream video files to the B100-ASI Digital Broadcaster is as simple as drag and drop. Add remote Internet access, and you can control your B100-ASI with a Web browser from anywhere in the world. The B100-ASI also automatically publishes a searchable program guide for your website.

The B100-ASI can be paired with a digital QAM multiplexer for broadcasting direct to Digital tuner equipped televisions. Using this type of system you can originate one or more local HD, SD, or HD/SD digital TV channels.



Intuitive CMS

User Friendly
Drag and Drop Scheduling



APPLICATIONS

- Local TV SD & HD Channel Origination
- Head-end Channel Origination
- Digital CATV Origination
- DTV Auxiliary Video Channels
- On-Campus Student TV Broadcasting
- LO/LA
- Public, Educational & Government Channels
- Digital Signage
- Digital Cinema & Entertainment Channels

FEATURES

- A complete "Digital TV Station-In-A-Box" system
- Broadcast MPEG-2 Transport files including CableLabs™ support.
- 1 TB of internal storage
- IT-Friendly, supports FTP, SMB, HTTP & NTP
- Operate remotely from any Web browser
- Simplified scheduling with drag and drop
- Customizable content categories
- Program guide integrated on your website
- Integrated audio normalization

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-ASI Specifications

We've engineered the B100-ASI 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	MPEG-2-TS over ASI (SPTS or MPTS)
IP Streaming	Simultaneous MPEG-2-TS over IP

Program Scheduling	
Interface	Integrated HTML browser - based (secure)
Playlists	Scheduled time - based program playouts
Recurring	Scheduled recurring playlist
Station Timing	Locked to NTP standard
Continuity	Auto-play default content on program gaps

Storage	
Capacity	500 GB (or 1 TB option)
Drives	1

Options	
DQ MXS	Digital QAM Multiplexer

Physical	
Power	100 - 240VAC / 200 Watts
Dimension	17.2" x 1.7" x 11.3" (W x H x D)
Weight	10 lbs
Form Factors	1RU 19" Standard

External Interfaces & Connections (Typically Used)	
Front Panel	Power/Fail/Drive LEDs, Power/Reset Switch
Rear Panel	Dual 10/100BT/1000BT, Link/Data LEDs
Output	MPEG-2-TS on ASI

Content	
Formats	MPEG-2-Transport stream Constant Bit Rate (CBR)
Bit Rates	Up to 19.4 Mbps
High Availability	Content Analysis & Validation
	ATSC & CableLabs™ compatible

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

Applications	
Cable / DTV / Sat.	ATSC Video Broadcast
IPTV	MPEG-2 over UDP
Point-of-Sale	Playout to tuner equipped video monitors
Digital Signage	Playout to tuner equipped video monitors

Software	
OS	Linux
Device Drivers	All standard drivers
Application	Schedule Playout
	Drag and Drop scheduling, event recur and ripple
	Content management
	Custom, searchable metadata and categories; Thumbnails
	Website program guide automatic generation
	Playlist import/export
	Integrated audio normalization

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.

