



TelVue Princeton™ B100-IPTV Digital Broadcaster

Broadcast TV - Without the Cost and Complexity

TelVue Princeton's B100-IPTV 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-IPTV 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-IPTV's sophisticated programming to originate a channel that rivals professional systems.

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

The B100-IPTV can be networked with a QAM multiplexer for broadcasting direct to Digital tuner equipped televisions or directly to PCs. With this system you can originate one or more local HD, SD, or HD/SD digital TV channels.



Intuitive CMS

User Friendly
Drag and Drop Scheduling

Channel	Start	End	Source	Priority	Status
11	01:00	02:00	101-100-100-100	10	OK
12	02:00	03:00	101-100-100-100	10	OK
13	03:00	04:00	101-100-100-100	10	OK
14	04:00	05:00	101-100-100-100	10	OK
15	05:00	06:00	101-100-100-100	10	OK
16	06:00	07:00	101-100-100-100	10	OK
17	07:00	08:00	101-100-100-100	10	OK
18	08:00	09:00	101-100-100-100	10	OK
19	09:00	10:00	101-100-100-100	10	OK
20	10:00	11:00	101-100-100-100	10	OK
21	11:00	12:00	101-100-100-100	10	OK
22	12:00	13:00	101-100-100-100	10	OK
23	13:00	14:00	101-100-100-100	10	OK
24	14:00	15:00	101-100-100-100	10	OK
25	15:00	16:00	101-100-100-100	10	OK
26	16:00	17:00	101-100-100-100	10	OK
27	17:00	18:00	101-100-100-100	10	OK
28	18:00	19:00	101-100-100-100	10	OK
29	19:00	20:00	101-100-100-100	10	OK
30	20:00	21:00	101-100-100-100	10	OK

APPLICATIONS

- Head-end Channel Origination
- Digital CATV Origination
- On-Campus Student TV Broadcasting
- LO/LA

FEATURES

- A complete "Digital TV Station-In-A-Box" system
- Supports up to Four Channels
- Broadcast MPEG-2 Transport files including CableLabs™ support.
- 500 GB 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

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-IPTV Specifications

We've engineered the B100-IPTV 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	
Output	MPEG-2 TS over IP (Gigabit Ethernet)
Channels	Up to Four (4) Channels

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

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

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 over IP (Gigabit Ethernet)

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

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.	IP Video Broadcast
IPTV	MPEG-2 over UDP
Point-of-Sale	Playout to PC's
Digital Signage	Playout to PC's

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

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.

