B100-IPTV

TELVUE®

www.TelVue.com

TelVue HyperCaster™ B100-IPTV
Digital Broadcaster

Easy & Affordable Digital TV

The HyperCaster™ model B100-IPTV is the hassle-free, low-cost way to launch a high quality professional looking 24x7 digital television channel within minutes of un-packing. We've engineered the B100-IPTV HyperCaster™ with simplicity and reliability in mind through our use of Linux open source technology, plus our proprietary real time video and application software.

The HyperCaster™ provides IP origination for up to four independent digital broadcast channels for applications such as local origination, leased access, PEG channels or longform advertising.

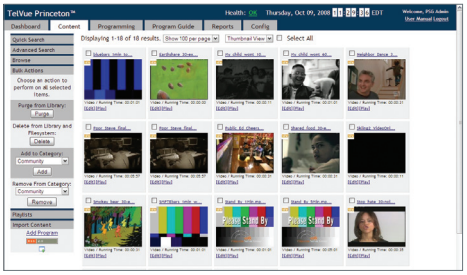
The server supports MPEG-2 Transport with MPEG-2 and optional H.264 video codecs in standard or high definition formats, including CableLabs® and ATSC. The HyperCaster's™ native IP over Gigabit Ethernet interface can be easily integrated with any copper or fiber IP network architecture. The output can also be used by industry standard IP-to- QAM modulators.

The IP origination capability of the server enables file-based workflows and all-digital outputs; eliminating costly, per channel real-time encoders while maintaining your content's original quality. The HyperCaster's™ browser-based content management and broadcast automation application includes categorization, search, and powerful drag-and-drop scheduling. Content is ingested via simple drag and drop. The server can publish a searchable program guide for your website or provide schedule data to 3rd party guide services.

TelVue's B100-IPTV HyperCaster™ supports PID remapping and IP StreamThru™ that allows seamless switching between files on hard drive and live network streams either on schedule or as default continuity. This unique feature allows the server to double as an IP digital video switcher. The native MPEG-2 Transport capability allows HyperCaster™ to integrate with existing digital ad insertion systems and support EBIF interactive applications for direct response and electronic fulfillment.

The HyperCaster™ can also interface with CCMS-compatible traffic and billing systems such as OpenTV's EclipsePlus® with as-run logs, and missing media notifications. Now campaign management, geo-targeting and yield optimization can be applied to all of your longform programming.

When you combine the B100-IPTV HyperCaster™ with TelVue's Content Management Platform, you can easily support regional or centralized multi-headend configurations, streamlining traffic and billing management and content ingest workflows.



Intuitive Content Management System and Scheduling System

APPLICATIONS

- Leased Access Channels
- Local Origination Channels
- Digital CATV Origination
- On-Campus Broadcasting

FEATURES

- Linux Based
- StreamThru™ Digital Video Switching
- PID Remapping
- A Complete "Digital TV Station-In-A-Box" System
- Up To Four Independent Output Streams / Channels
- MPEG-2, SD / HD, ATSC, CableLabs® & H.264 (Optional)
- Traffic & Billing, Middleware Integration
- IT-Friendly, Supports FTP, SMB, HTTP & NTP
- Operate Remotely From Any Web Browser
- Drag And Drop Scheduling
- Customizable Content Categories
- Easily Published Program Guide For Your Website
- Mix Traffic & Billing & Local Scheduling

BENEFITS

- Low Cost And Easy To Operate
- Supports Centralized, Regionalized, Or Edge Architectures
- Store Hundreds Of Hours Of Content
- Designed For 24 x 7 Reliability
- Just 1RU (1.75") Of Rack Space

16000 Horizon Way • Suite 500 • Mt. Laurel, New Jersey 08054 • P 800.885.8886 • **www.telvue.com**

B100-IPTV HyperCaster™ Specifications

We've engineered the B100-IPTV with simplicity and reliability in mind through our use of Linux open source technology, plus our proprietary real time video and application software. 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 Playout	
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 Playout
Station Timing	Locked to NTP Standard
Continuity	Auto-play Default Content on Program Gaps

Storage	
Capacity	1 TB
Drives	1

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 over IP (Gigabit Ethernet)

Content	
Formats	MPEG-2 Transport Stream; MPEG-2 or H.264 (Optional) Video
	Constant Bit Rate (CBR), ATSC, CableLabs® HD & SD Compatible
Bit Rates	Up to 19.4 Mbps Total Output

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

Firmware	
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 Network Firewall
	XML-TV/ TV Guide Metadata
	CCMS / GDP Traffic APIs
	VDCP
	Content Analysis & Validation
	Missing File Notifications: XML, Email
	System Health Notifications
	CableLabs® ADI Metadata (Optional)

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.

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