

B1000 HyperCaster®

The IP Way To Broadcast™



Broadcast high-quality digital video TV channels with the **TelVue HyperCaster IP Broadcast Server**. Discover the benefits of a 100% digital workflow, from content ingest to output. IP video origination is efficient, flexible, user-friendly, and future-proof.

APPLICATIONS

- Local Origination & Leased Access
- Digital CATV Origination
- Hyperlocal Programming
- Long-form Advertising Channels
- Black-out Management
- Program Substitution

FEATURES

- Up To 20 SD or HD Channels in 1RU
- IP StreamThru™ Switching
- PID Remapping
- Support for ATSC & CableLabs® Formats
- DVD, MPEG-2 PS, & H.264 Import
- Operate Remotely from any Web Browser
- Middleware Integration

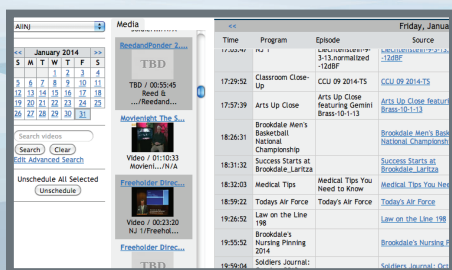
OPTIONS

- H.264 Support
- Traffic & Billing via CCMS
- Multi-IP Capture
- Time Shifting

OPTIONAL PROVUE DECODER

- HD-SDI, HDMI, Composite or Component Out
- Integrated Graphics
- Up & Down Conversion

HYPERCASTER



Browser-based Scheduling & Content Management

+ SEAMLESS INTEGRATION WITH PROVUE IP DECODER



Optional Integrated Graphics for Channel Branding, Tickers & Snipes



Cropping Option for HD to SD Down conversion

B1000 HyperCaster® Specifications

Engineered for simplicity and reliability, the TelVue B1000 HyperCaster® seamlessly integrates a powerful, compact hardware platform, Linux operating system, and proprietary real-time video processing and application software. Because it is IT-friendly and supports industry standard codecs and formats, the B1000 HyperCaster easily interfaces with popular third-party software and devices to automate your IP broadcast workflow from scheduling, traffic, and billing through content ingest, management, and play out.

Video Payout

Output	MPEG-2 TS or H.264 over IP (Gigabit Ethernet)
Optional	ProVue decoder integration
Channels	Option to Expand up to 20 SD or HD channels (depending on bitrate)

Program Scheduling

Interface	Integrated HTML Browser Based (Secure)
Scheduling	Drag & Drop Scheduling
Recurring	Scheduled Recurring Layout
Station Timing	Locked to NTP Standard
Continuity	Auto-play Default File, Playlist or IP Stream on Program Gaps

Storage

Capacity	8TB Standard, 5.5 TB Usable. Option: 11.5 TB Usable
Drives	4 x 2 TB, OS on SSD. Option: 4 x 4 TB
RAID Levels	RAID 5 for Media Storage
Archive	To Remote Storage

Physical

Power	100 - 240 VAC / 650 Watts
Dimensions	17.2" x 1.7" x 25.2" (W x H x D)
Weight	46 lbs
Form Factor	1 RU 19" Standard

External Interfaces & Connections (Typically Used)

Front Panel	Power/Fail/Drive LEDs, Power/Reset Switch, LCD
Rear Panel	Quad 10/100 BT/1000 BT, Link/Data LEDs, Console
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 200 Mbps Total Output
Management	Custom Searchable Metadata & Categories, Thumbnails

Content Introduction

Protocols	FTP & SMB
Interface	10/100/1000 BT x 4
Capture	Optional IP stream capture

Network Management

Interfaces	Web Browser
Protocols	SMB, HTTP, NTP
Features	Environment Monitoring, Firewall Remote Management & Software Upgrades

High Availability

	Watchdog Timer
	Solid State System Drive, RAID 5 Content Storage
	System Health Notification
	Redundant Power Supplies

Firmware

OS	Linux
Device Drivers	All Standard Drivers
API Features	Website Program Guide Automatic Generation XMLTV & Minerva/ TV Guide Metadata Optional CCMS Traffic APIs Content Analysis & Validation Missing File Notifications: XML, Email CableLabs® ADI Metadata (Optional)

Optional Integrated ProVue™ Decoder

Video	MPEG-2/H.264/SD/HD/Up & Down Convert
Audio	MPEG-1 Layer 2/AC-3/2 CH & 5.1 Downmix
Outputs	Up to 4 x SD/HD-SDI
Graphics	Text Crawl, Logo/Bug Insertion & Snipes
Ext. Reference	SD-Blackburst/HD - Tri-Sync In Any Format

Note: Specifications are subject to change without notice.

TelVue® Corporation is a broadcast technology innovator and leader that helps video broadcasters automate their channels, expand their audiences across multiple screens, and broaden their ability to monetize their content. TelVue's professional quality broadcast equipment and cloud video services include all-in-one digital broadcast servers, ad servers, live and VOD Internet streaming, multi-user contribution and transcoding, hosted broadcast, broadcast program sharing, and web-based digital signage. TelVue serves the local origination and leased access needs for 9 of the top 10 MSOs and over 100 cable & telco TV operators, powers over 2,500 hyperlocal and PEG channels, and delivers local programming to over 50 million households.



WE SHARE YOUR VISION™



Provided by: **Mega Hertz** | 800-883-8839 | info@go2mhz.com | www.go2mhz.com

<https://www.go2mhz.com/product/20ch-ip-video-broadcast-server/>