



More broadcasting with less hardware!

The HyperCaster AIO+ (All-In-One Plus) B100 gives you ultimate playback flexibility in a powerful, multi-channel broadcast server with IO expansion. Multiple channels of Playback & Recording, native SDI, NDI & IP Switching, and Graphics all-in-one! Optional HD/SD Simulcast is perfect for PEGs delivering SD on Cable and HD on Streaming/OTT. Optional IP out is great for Pro and streaming applications. Includes a user-friendly, access-from-anywhere, browser-based interface for scheduling, content management, monitoring, and designing on-air graphics. Simplify your workflow, trim your equipment, and get the best of both SDI & IP with the HyperCaster AIO+.

INPUTS

- Up to 4 auto-sensing HD-SDI inputs
- HD-SDI switching & recording to file
- StreamThru™ IP Switching
- Optional IP Capture
- Import Virtually Any File Format
- Streams: NDI, RTMP, HLS, DASH, RTSP, SRT, TS, Zoom, Social Media
- Codecs: MPEG-2 & H.264, SD & HD

OUTPUTS

- Downstream Graphics On All Sources
- Logos, Tickers, Snipes, Squeezebacks
- Remote Confidence Monitoring/Preview
- Built-in Up & Down Conversion
- Optional HD/SD Simulcast
- Optional IP Streaming Output
- CEA-608/708 Closed Captions
- Optional Real-time CALM Audio Control

AND BECAUSE IT'S A TELVue SERVER, YOU ALSO GET:

- Secure, Easy, Browser-based Content, Scheduling, and Remote Management Tools
- Time-saving Automatic Series Scheduling & Overlay Rules
- 24/7 Support – Expandable Design – Future-Proof Technology – Reliable Linux OS
- Powerful Options
 - Streaming, Mobile Apps & OTT Integration with TelVue CloudCast™
 - Cloud Contributor Upload & Media Exchange with TelVue Connect™
 - TelVue InfoVue™ Broadcast Digital Signage & Community Bulletin Board Integration
 - TelVue SmartCaption™ Automatic Live & File Closed Captioning
 - Archive Integration (NAS, Archive.org)

HyperCaster® AIO+ B100 Specifications

I/O Configuration	
Channels & I/O Mix	Any Mix of 2 Playback+Encode I/Os, Expandable to 5 I/Os, MAX 2 Playback
HD-SDI Ports	4
SDI Inputs	All SDI ports not used for Playback available as auto-sensing, switchable inputs
IP Inputs	NDI, RTMP Push & Pull, HLS, DASH, RTSP, SRT, TS (UDP/RTP), Zoom, Social Media. Optional Capture
HD/SD Simulcast	Optional, requires 2 ports per Channel
IP Output	Optional IP Streaming Output
Video Routing Switch	Optional Video Routing Switch Control
Storage	
OS/System	SSD
Media	4 TB, Single Drive
Archive	Optional Archive to NAS (FTP, CIFS) and Archive.org
Content	
File Formats	Import Virtually Any File Format
Video Codecs	MPEG-2, H.264 SD & HD
Audio Codecs	MPEG-1 Layer II, AC-3, AAC, MP3, LPCM
Upload Protocols	Browser Resumable, FTP, CIFS/SAMBA
Recording	
Encode	MPEG-2 Transport (MPEG-2 and H.264 SD/HD)
IP Capture	Optional up to 2 Simultaneous
Playback	
Video Resolutions	SD 480i29.97 NTSC & 576i25 PAL, 720p50/59.94/60 1080p23.98/24/25/29.97/30 1080PsF23.98/24/25/29.97/30 1080i25, 1080i29.97, 1080i30 Automatic up/down-conversion
Audio Format & Channels	48 kHz, 16 bit, Stereo, 8 or 16 Channel
Audio Processing	Optional Real-time Audio Loudness Management (CALM Compliant)
VANCs	CEA-608/708 Closed Captioning, Passthrough
Downstream Graphics	
	Bugs/Logos, Tickers, Snipes, Squeezebucks, Emergency & RSS/XML Tickers, Overlay Rules
Closed Captions	
File	CEA-608/708, Sidecar (WEBVTT, SRT, SCC, MCC), SmartCaption™ File Captioning Integration
Live	CEA-608/708, Optional SmartCaption™ LIVE Integrated Automatic Live Multi-language Captioning

Network Management	
System Health Notifications	SNMP, Email, REST API, and Web Browser UI.
Other	Built-in Firewall & Routing Table, Remote Management, Station Timing Locked to NTP
High Availability	
	Watchdog Timer, Solid State System Drive
Physical	
Power	100 - 240 VAC/200 Watts
Dimensions	17.2"x1.7"x11.3" (WxHxD)
Weight	10 lbs.
Form Factor	1 RU Rackmount, 19" Standard
External Interfaces & Connections (Typically Used)	
HD-SDI ports	4
External Reference	Blackburst in SD, 720p50, 720p59.94, 1080i50 and 1080i59.94 formats or Tri-Sync in any HD format.
Copper NICs	Dual 10/100/1000 BT
Front Panel	Power/Fail/Drive LEDs, Power/Reset Switch/ LCD Interface
Operating System	
	Linux
Application Software	
User Interface	Integrated, Secure Browser-based
Content Management	Custom Metadata, Hierarchical Categories, Video Previews with Virtual Trim Editing, Advanced Search, Bulk Actions, Optional Archiving & Archive.org Integration, Resumable Browser Uploads
Scheduling	Automatic Series Scheduling, Drag & Drop, Copy/Paste, Block Copy, Bulk Modify, Recur, Ripple, Import/Export, Auto fill Program Gaps, Auto Start on Trigger / Stop on Signal Loss, Extend Live Events w/ Join-in-Progress, Pause/Resume Recording
Graphics	Automatic Overlay Rules, Built-in WYSIWYG Editor, Multiple Simultaneous Overlays, Alpha Channel, Drop Shadow Text, Date & Metadata
Reports	As Run, First/Repeat Run, Missing Files
TV Listing	Embeddable, Searchable Website Program Guide, TV Guide X-List, XMLTV, Minerva, RSS/XML
Traffic & Billing	Optional GDP/CCMS
APIs	REST, RSS, SNMP
User Management	Roles, Emergency-only User, Preferences
Optional Cloud Services	
	Streaming, Mobile & OTT Apps with TelVue CloudCast™, Cloud Contributor Workflow, Media Exchange, SmartCaption™ Automatic Captioning with TelVue Connect™

Note: Specifications are subject to change without notice.