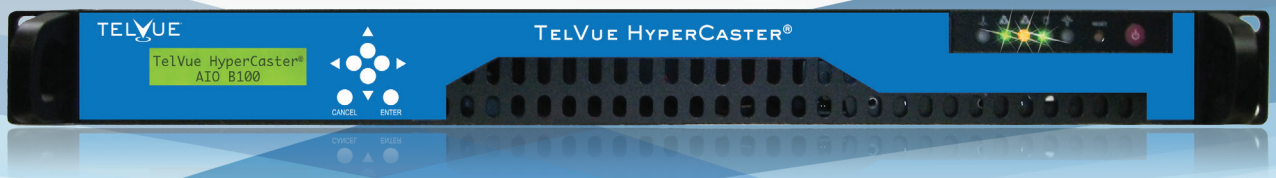
TELVUE

We share your vision™

HyperCaster® AIO+ B100

All-In-One, Configurable PEG & PRO Broadcasting For SDI, IP, and Streaming



More broadcasting with less hardware!

The HyperCaster AIO+ (All-In-One Plus) B100 gives you ultimate playback flexibility in a powerful, single-rack unit broadcast server. One to five channels of Playback & Recording, native SDI, NDI & IP Switching, and Graphics all-in-one! Streaming and Transport Stream output options, including SDI/IP Simulcast. Perfect for stations broadcasting to multiple destinations, including Cable, Streaming, OTT, and Social Media. Integrated Community Bulletin Board option. Includes a user-friendly, access-from-anywhere, browser-based interface for scheduling, content management, monitoring, and designing on-air graphics. Powerful, rules-based automation saves you valuable time. Simplify your workflow, trim your equipment, and get the best of both SDI & IP with the HyperCaster AIO+.

INPUTS

- 1-4 auto-sensing HD-SDI inputs
- Play, Record, and Switch SDI & NDI
- StreamThru™ IP Playout & Switching
- Optional IP Capture
- Import Virtually Any File Format
- Streams: RTMP Push/Pull, HLS, DASH, RTSP, SRT, TS, Zoom, Social Media
- Resumable Browser-based Uploads

OUTPUTS

- Downstream Graphics On All Sources
- Logos, Tickers, Snipes, Squeezebacks
- Remote Confidence Monitoring/Preview
- Built-in Up & Down Conversion
- CEA-608/708 Closed Captions
- Optional SDI & IP Simulcast
- Optional ABR Streaming or IP Output
- 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 Scheduling, Graphics, Streaming, and Workflow 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)

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HyperCaster® AIO+ B100 Specifications

Flexible I/Os	
IP Inputs	NDI, RTMP Push & Pull, HLS, DASH, RTSP, SRT, TS (UDP/RTP), Zoom, Social Media. Optional Capture
HD/SD Simulcast	Optional SDI/IP Simulcast
Optional IP Output	ABR Streaming, Transport Stream
Video Routing Switch	Optional Video Routing Switch Control
Storage	
OS/System	SSD
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	
	Logos, Tickers (Text, RSS/XML, Emergency), Snipes, Squeezebacks, Clocks, Program Guides
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
Ads	
	Optional SCTE-104 Secondary Events
Network Management	
System Health Notices	SNMP, Email, REST API, and Web Browser UI
Other	Built-in Firewall & Routing Table, Remote Management, Station Timing Locked to NTP

Operating System & High Availability	
	Linux, 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)	
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
Application Software	
User Interface	Integrated, Secure Browser-based
Content Management	Custom Metadata and Categories, Video Previews, Integrated Editing, Advanced Search, Bulk Actions, Resumable Browser Uploads, Automatic Publishing, Archiving & Sharing, Optional Archiving & Archive.org Integration, and Bulletin Board.
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, Multi-Destination Streaming Rules, Blackout Rules
Graphics	Automatic Overlay Rules, Built-in WYSIWYG Editor, Multiple Simultaneous Overlays, Alpha Channel, Drop Shadow Text, Metadata Variables
Reports	As Run, First/Repeat Run, Missing Files
TV Listing	Embeddable, Searchable Website Program Guide, TV Guide X-List, XMLTV, Minerva, Innovative, RSS/XML
Traffic & Billing	Optional GDP/CCMS Workflow
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™

Models	B100-2+	B100-4+
Max Playback	1	2
I/O Mix Playback+Encodes	1 Playout and 1 Encode	2 Total Standard, Expandable to 5
HD-SDI Ports	2 (1 Input, 1 Output)	4 (Configurable)
Output Options	Streaming, TS	SD/HD Simulcast, Streaming, TS
Storage	4TB, Single Drive	8TB, Single Drive

Note: Specifications are subject to change without notice.

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