



## 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 Payout & 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)

# 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<br>1080p23.98/24/25/29.97/30<br>1080pF23.98/24/25/29.97/30<br>1080i25, 1080i29.97, 1080i30<br>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, Squeezedbacks, 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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