

BBright TS-Playout

The BBright TS-Playout is a high-performance, cost-effective compressed video playout server designed for professional broadcast and streaming applications. Ideal for satellite, terrestrial, cable networks, telco/IPTV operators, and playout facilities, it ensures seamless and efficient content delivery.

What sets the BBright TS-Playout apart is its unique approach: there is no video or audio re-encoding—only the transport stream layer is regenerated by the BBright engine. TS files are directly ingested into the system, and the built-in automation handles the rest, simplifying operations while ensuring optimal performance.

This architecture enables exceptional channel density, supporting up to 20 channels per playout with resolutions up to Ultra HD, while maintaining unparalleled reliability for mission-critical broadcast workflows.

KEY FEATURES

- Multichannel TS files player
- Up to 20 channels per server
- SD / HD / UHD / 8K
- Built-in scheduler
- Appliance

ADDED VALUE



Density



Flexibility



Built-in Automation

USE CASES



100% Linear channel



Barker channel

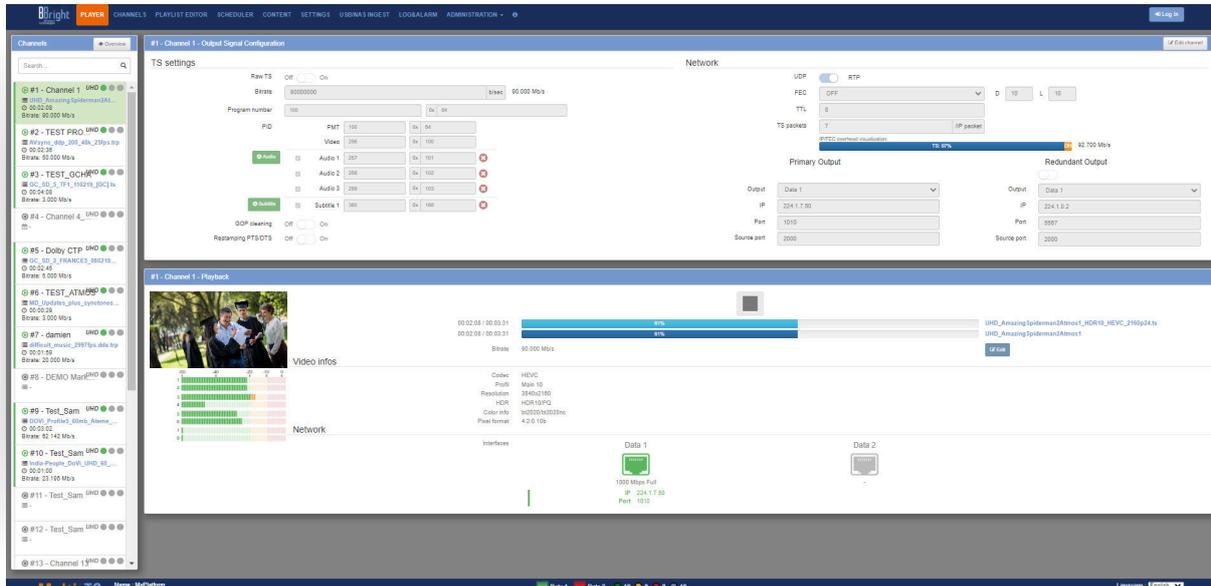


Lab TS source



Disaster recovery





Video

- Multi-Codec support: HEVC / H264 / MPEG2
- SD, HD, UHD & 8K
- Up to 130Mbps per channel
- HDR: HLG, HDR10, Dolby Vision, SL-HDR1, SL-HDR2

TS Processing

- PCR and Continuity Counter processing
- PTS/DTS Restamping
- GOP cleaning
- PID Remapping: 1x Video, 32x Audio, 32x Subtitles
- Null-packet stuffing for CBR output
- Raw Mode

Inputs

- File .ts
- SPTS and MPTS ingest (FTP / NAS) or USB
- 3TB of RAID 5 storage

Controls

- Web UI
- Rest API
- 1 + 1 Main and Back-up server's content redundancy
- Playout control by text-based, xml, json traffic import

Audio

- AAC, HE-AAC (v1 & v2), AAC-LC / MPEG-1 Layer II / PCM
- Dolby Digital, Dolby Digital+, Atmos, DolbyAC-4

Monitoring

- Video Thumbnails
- Audio Bargraph for monitoring
- Bitrate overshoot alarms

Outputs

- Multiple SPTS Multicast over IP in UDP or RTP (or MPTS)
- FEC/SMPTE 2022-1 & 2022-7
- Stream duplications on secondary Multicast address
- Max. 500 Mbps combined SPTS outputs

Chassis & connectivity

- Two IP-bonded GbE ports for GUI control/ingest
- Two independent GbE ports for TSolP streaming
- Redundant power supplies