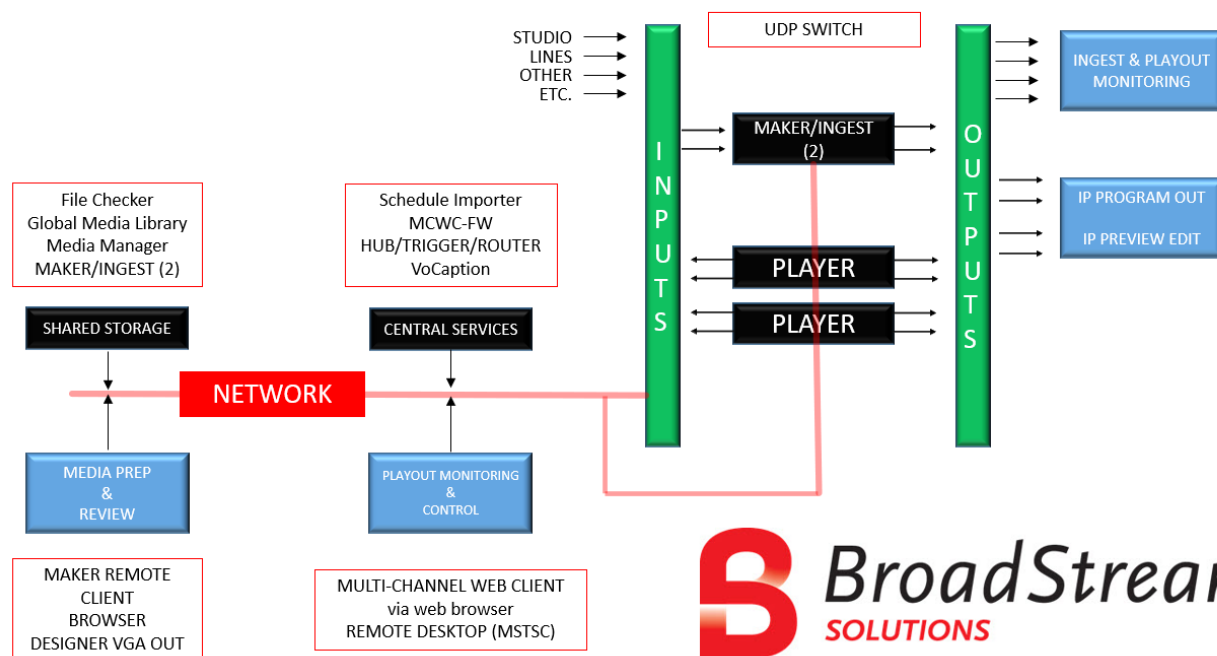




Are you ready to transition to IP or interested in a Hybrid SDI/IP solution?

OASYS IP Integrated Payout is ready to
improve your on-air reliability and increase workflow efficiency.

OASYS INTEGRATED PLAYOUT – COMPRESSED IP



OASYS IP delivers on all the great features and usability from OASYS SDI and also provides stand-alone IP compressed or Hybrid IP/SDI workflows to support transitions and ramp-up along with separate processes in OASYS Player to provide “self-healing” or recovery if an IP stream is corrupted.



New for OASYS IP

- **Loudness normalization “on the fly”** for live and file payout. No separate device needed. Supports EBU R128 and ATSC A/85.
- **Kill Dates** added to Media Library.
- **New Dolby D and Dolby E Support.** Pass-through of Dolby D into IP outputs and decode pass-through of Dolby E for SDI and IP outputs
- **New Audio Upmix** improves listening experience; generate a 5.1 surround sound mix from a regular stereo soundtrack.
- **Supports multiple audio tracks for tagging, shuffling and mixing.**
- **On-Air stream updates** do not interrupt payout.
- **Easily edit on-air** event graphics, audio mapping or metadata.
- MPEG2 Transport Streams in unicast or multicast delivers a **“standards” approach to file management and payout.**
- **Automatic Aspect Ratio Control:** Dynamically set aspect ratio based on AFD information in the ancillary data of an asset or sidecar XML.
- **Improved support for Soft Segmentation (EDL’s):** Use a simple cue sheet as an EDL against longform assets. Play same asset on different channels or schedule with different ad-break patterns without re-working the asset. Email notification for QC failures.

Advanced Graphics Capabilities

- **Multi-layer, metadata driven graphics** with Picture-in-Picture.
- **Real-time data harvesting**-news, headlines, weather, sports, traffic, and school closings from RSS, XML feeds & 3rd party UDP overlays.
- **New graphic functions for Masking, Scaling and Stretch effects.**
- **Automatically synchronize playlist** changes on multiple systems
- Ad insertion triggers:
 - **SCTE-35 detection on IP input**
 - **SCTE-104 to SCTE-35 conversion** on output.
 - **Embed multiple metadata items in each SCTE-35 packet** for downstream events for different regions.

VIDEO ENCODER/DECODER

- MPEG-4 AVC (H.264) SD, HD, UHD

AUDIO ENCODER/DECODER

- AAC (MPEG-2 & MPEG-4)
- MPEG-1, Layer II
- AC3 Dolby Digital
- E-AC3 Dolby Digital Plus

INPUT/OUTPUT OPTIONS

- SD, HD/SD, HD & UHD

SCALING ASPECT RATIO CONVERSIONS

- IP input
 - SD→HD; HD→SD
- IP output
 - SD→HD; HD→SD; HD→UHD

INPUT STREAM—UDP/SRT

OUTPUT STREAM—UDP/RTP/SRT/RTMP

SPTS-Single Program Transport Stream

MPTS-Multiple Program Transport Stream with selectable PMT

MAKER delivers SPTS or MPTS IP compressed capture and decoding to all standard file formats

CAPTIONS & SUBTITLES

- Open, Teletext, OP-47, DVB, EIA 608 & 708 captions.
- DVB Subtitle processing, multiple languages, separate stream or muxed into single stream