

ALBIREO

Multipurpose Encoder



ALBIREO is a **versatile encoder** able to convert live video sources both to a different interface but also to a different encoding type. It can encode the same sources to **multiple encoding profiles** to target various receiver types : **RTMP** for live streaming to video sharing platforms, **HLS** for second screens, **Mpeg2-TS over IP** for regular network streaming, etc...
On top of its encoding feature, it also includes a multiplexer allowing multiple sources to be grouped in a multiple service transport stream (MPTS) and broadcasted over **RF, IP or ASI**.

The unit is hosted in a standard 1RU server and is controlled through a web user interface. The GUI comes with some useful features like being able to preview the input streams as well as the output ones. The audio level meter also helps to check the audio tracks.

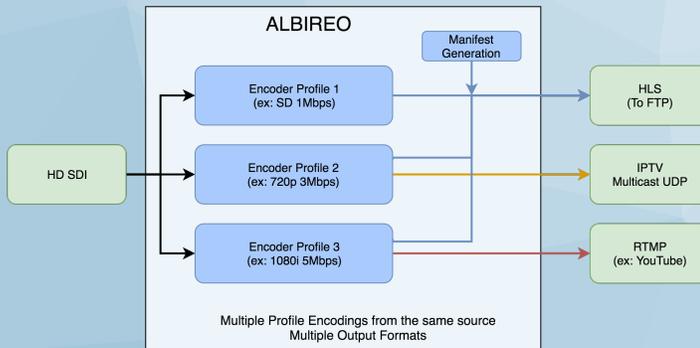
ALBIREO differentiates itself with its competitive per channel cost, its high density and its scalability.

KEY FEATURES

Any output IPTV, OTT, ASI, Baseband, Terrestrial, Satellite, Cable

Multi-profile encoding For RTMP and HLS adaptive bitrate, etc

Multiplexer For generating a DVB compliant multiplex

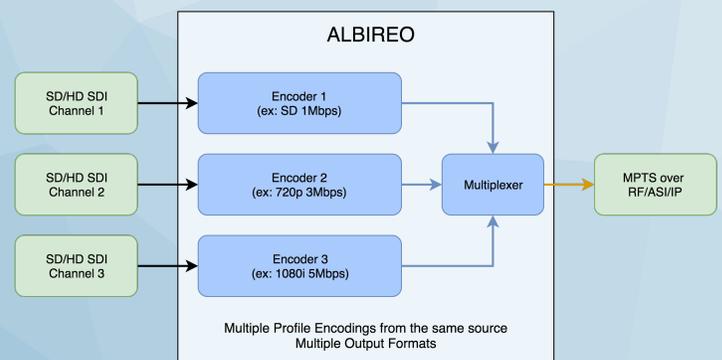


Multi-profile Encoder

ALBIREO makes it possible in a single device to take an SDI stream, encode it with different resolution and bitrate profiles as well as several encapsulation formats in order to target multiple platforms.

Multi-Channel Encoder

ALBIREO can encode several SDI streams on the same equipment and thanks to its integrated multiplexer, it can directly generate a single MPTS stream on a modulated output for an internal RF network for example.



TRILOGIC ALBIREO
TRILOGIC CUTSCENE
TRILOGIC LYRAE
TRILOGIC B2MOSAIC
TRILOGIC TSDELAY

Multi encoder and multiplexer for Broadcast and IPTV/OTT
Content Extraction for easy publishing on Video Sharing Platforms
Advanced Monitoring Multiviewer
Mosaic Channel Generator for MSOs
Delay server for logging or timezone adjustment

Inputs

- o SDI : 480i, 576i, 720p, 1080i et 1080p
- o HDMI : 480i, 576i, 720p, 1080i et 1080p
- o ASI, DVB-T, DVB-S/S2
- o UDP/IP, Unicast, Multicast (IGMPv3)

Video decoding and Processing

- o Dynamic scaling
- o MPEG-2 (SD/HD), H.264 (SD/HD)
- o Formating (Letterbox, Fullscreen)

Audio decoding

- o MPEG-1 Layer II
- o AAC, AAC+, eAAC+
- o Dolby Digital (AC-3, E-AC-3) Passthrough

Plugins

- o Logo Insertion
- o Clock Insertion
- o Scrolling Text / Ticker Insertion



Administration

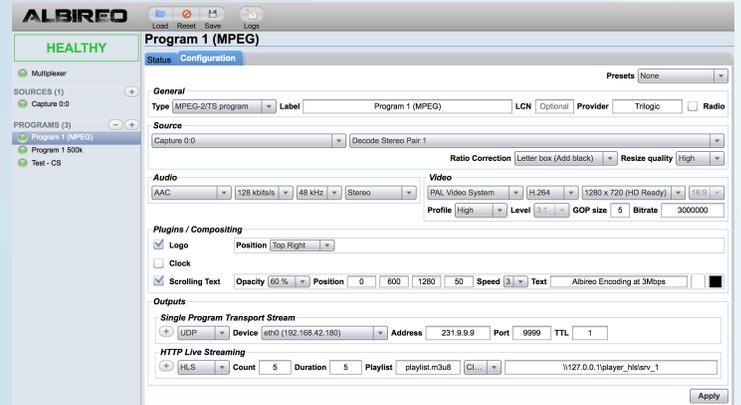
- o Video and Audio preview from the interface
- o Comprehensive management GUI
- o Compatible with the latest browsers

USE CASES

- o TS multiplex generation for internal network streaming (Hospitality)
- o Multi-profile encoding and multi format streaming for a versatile streaming solution supporting many target devices and services
- o Visual Radio
- o Combined with CUTSCENE for compliance recording

Video Encoding

- o 4 :3 and 16 :9 Aspect ratios
- o Progressive, Interlaced
- o PAL and NTSC Formats
- o Resolutions from SQCIF to Full HD
- o MPEG-2 (SD/HD), H.264 (SD/HD)



Audio Encoding

- o Mono, Stereo
- o 48 KHz Sampling
- o MPEG-1 Layer II, AAC, AAC+, eAAC+, Passthrough

Multiplexer

- o PSI DVB Tables generation
- o LCN (Logical Channel Number) handling
- o MPTS to UDP/IP, ASI, DVB-T, DVB-S/S2

Outputs

- o SPTS (local streaming)
- o RTMP (Dailymotion, Facebook live streaming)
- o HTTP Live Streaming to FTP server (iPad/iPhone)

