OTT Transcode/Encode Platform
OMP500

OVERVIEW

The OMP 500 is a software based encode/transcode platform from WellAV. Capable of supporting encode, transcode and packaging for OTT services and traditional linear broadcast applications.

With UDP/RTP IP and SD/HD/3G-SDI input options the OMP 500 can fit into any architecture to enable OTT delivery in your system. The OMP 500 can be upgraded to support the latest video and audio codecs and delivery protocols with upgradable software.

With three available models to choose from the OMP 500 can enable OTT services on any budget. Ranging from a budget friendly entry level system for one OTT service to the highest performance model capable of providing up to ten OTT services*.

KEY FEATURES

- Entry Level system supports one OTT service with 4 video profiles each*.

- High Performance system supports up to 5 services with 4 video profiles each*.

- Ultra-High Performance system supports up to 10 services with video profiles each*.

- OTT packaging for HLS, RTMP, MPEG-DASH and more!

- Provides low bitrate, high quality encoding and transcoding of MPEG-2 and H.264 video.

- Supports audio transcoding to and from MPEG1 Layer 2, AAC, AC3, AMR, WMA and more. Pass-through and audio levels adjustments also supported.

- Logo insertion, text overlay and auxiliary data processing such as Closed Captions, Teletext and DVB subtitles.

- Provides management with easy to use web interface and SNMP protocol.

* Capacity based on four video profiles at 1080P@4MB, 720P@2MB, 480i@800KB and 360P@300KB. To see which OMP 500 model will meet your needs contact your Sencore sales representative today for a quote.

SPECIFICATIONS

Input

Type	IP (UDP/RTP) & SD/HD/3G-SDI
Video Formats	MPEG-2 and H.264 4:2:0 8-bit HD and SD video
Audio Formats	MPEG-1 Layer 2, AAC, AC3 and AC3+ audio

OTT Packaging and Encryption

Formats	HLS, RTMP, HDS, Smooth Streaming, MPEG-DASH, RTSP, FLV, MMS
	SPTS transport stream via UDP/RTP
Encryption	DRM Generic Interface
Delivery	NIFS, CIFS, WebDAV

Encoding

Video	MPEG-2, H.264 up to 1080p30
	ABR, CBR, VBR
	De-interlacing, frame-rate conversion
	Logo Insertion
Audio	MPEG-1 Layer 2, AAC, HE-AAC, AC3/AC3+, MP3, WMA2 and Pass-through
	Up to 4 audio profiles per service
Auxiliary Data	Embed DVB Subtitles and Teletext
	Burn-in DVB subtitles and teletext
	608/708 closed caption pass-through
	WebVTT captions for HLS

Operation and Management

Interface	Web interface, SNMP control and traps
OS	Linux