

TCMS-M

Multi-Screen LBR Transcoder Module



OVERVIEW

The 'TCMS-M' module can flexibly transcode/transrate MPEG2/H.264 SD/HD content for TV, PC, tablet and mobile devices at an extremely low bitrate while maintaining minimal loss in video quality.

KEY FEATURES

- H.264/MPEG2 HD/SD video transcoding
- Up to 13 multi-screen output profiles
- Platform-based Modular Design

ORDERING INFORMATION

Model	Description
WAV-DMPSMP-TCMS-M	2-CH DMP-SMP Multi-Screen LBR Transcoder Module (2 programs, 13 H.264 profiles)
WAV-SMP100-CHASSIS	Chassis (1RU, embedded MUX and IP/ASI, 3 x slots)
WAV-DMP900-CHASSIS	Chassis (1RU, embedded MUX, 6 x slots, Dual PSU, hot-swappable)

SPECIFICATIONS

CHANNELS

Modes: 1 x HD (1080)
2 x SD/HD (480/576/720)

VIDEO TRANSCODING

Output: Up to 7 profiles per input (can double when 2 inputs are used as a same resource)

Profiles/Levels: H.264 AVC HP@L4.2
H.264 AVC MP@L4.2
H.264 AVC BP@L4.1

Aspect Ratio: 4:3, 16:9, Follow Input

Horizontal Resolutions: 720, 640, 544, 528, 512, 480, 416, 400, 360, 352, 320, 240, 208, 192, 176, 160, 128

Vertical Resolutions: 1080, 720, 640, 600, 576, 544, 540, 486, 480, 432, 384, 360, 320, 288, 272, 270, 240, 224, 192, 180, 160

Frame Rate: Maximum 60 fps

Video Output Bitrates: H.264 SD: 0.3 ~ 15 Mbps
H.264 HD: 0.5 ~ 20 Mbps

Bitrate Modes: CBR, VBR

Closed Captions: Supported

AUDIO TRANSCODING

Audio Profiles: MPEG-1 Layer II
AC3
AAC
Passthrough

Output Audio Bitrates: MPEG-1 Layer II: 32 - 384 Kbps
AC3: 32 - 504 Kbps
AAC: 32 - 504 Kbps

PERFORMANCE & FUNCTIONALITY

Power Consumption: 15W

