Professional Video and Audio Decoder, Model Number: MCD-2544
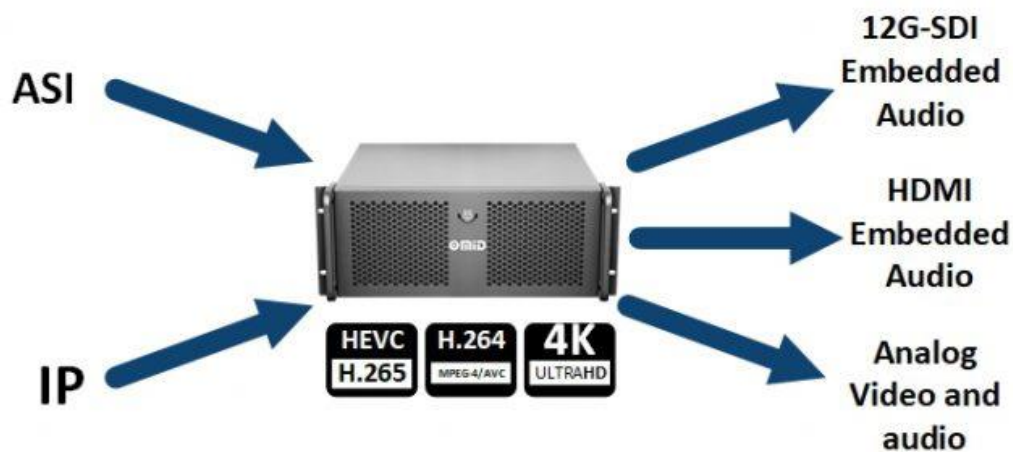

Professional 4K Decoder which receives feeds via ASI inputs and IP input as compressed video and audio. The output of decoder support HDMI, 12G-SDI(BNC) and analog video and audio.

The output video signals quality standard can be SD/HD/FHD/4K(UHD) and Full support of H.265/HEVC and H.264/MPEG-4 for video decompression, and various standards for audio decoding such as MPEG1-Layer II, AAC-LC, AAC+, and HE-AAC V2. The MCE-2544 web interface is user friendly which includes set of tools for monitoring inputs, system and output alarms. 4U decoder comes with touch screen display on front panel. It allows configuration audio and video compression parameters on station. This ensures that problems are quickly detected and resolved by the operators.
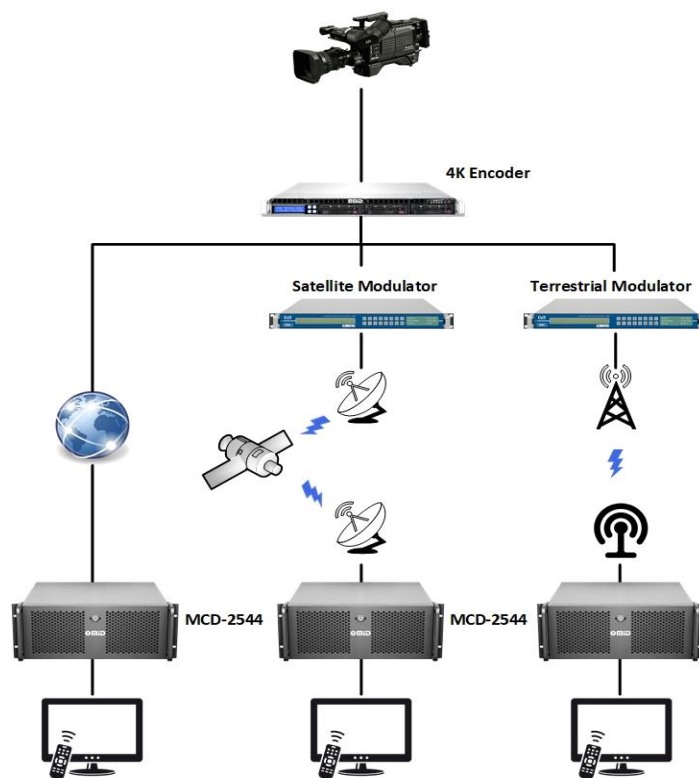
Key Features

- **Supports H.265/HEVC and H.264/MPEG-4 AVC video Dcoding**

- **Decodes video input resolutions up to 3840x2160 (4K)-50Hz**

- **Professional Decoder Supports MPEG1-Layer II, AAC-LC, AAC+, HE-AAC V2 audio standard**

- **Supports IP input as well as ASI** (for DVB-S/S2, DVB-T/T2 please contact with us)

- **Embedded audio up to 16 mono channel**

- **12G-SDI, HDMI, Analog Audio output**

- **Support ProMPEG FEC**

- **One Ethernet ports for Management**

- **Dual power supply for redundancy**

- **4U rack mount size**

- **High reliability and 24/7/365 operation**

- **Front panel Screen touch for management and monitoring**

Application Block Diagram of MCD-2544

Applications

- **IP Receiver**

- **Satellite or Terrestrial receiver**

- **Telemedicine**

- **Telepresence and Video Conferencing**

- **Digital Signage**

- **Microwave links**

- **eLearning**

- **Remote Video Surveillance**

- **Cable Broadcasting**

- **LAN TV Applications**

Application Block Diagram of MCD-2544

Specifications:

Input	▪ IP input
	▪ ASI input
Output	▪ 12G-SDI Output with embedded audio
	▪ HDMI Output with embedded audio
	▪ Analog audio and video
Video Dcoding	▪ 265/HEVC Decoding
	• Standard: ITU-T H.265, ISO/IEC 23008-2, HEVC
	• Profiles: Main10 422, Main10, Main
	• Levels: 5.1, 5.0, 4.1, 4.0, 3.2, and 3.1
	• Entropy Coding: CABAC
	▪ H.264/MPEG-4 AVC Decoding
	• Standard: ITU-T H.264, ISO/IEC 14496-10, MPEG-4 AVC
	• Profiles: High 422 10-bit, High420 10-bit, High 422 8-bit, high 420 8-bit, Main
	• Levels: 5.1, 4.1, 4.0, 3.2, 3.1 and 3.0
	• Interlace Coding: Field Structure, PAFF, MBAFF
	• Entropy Coding: CAVLC, CABAC
Audio Dcoding	▪ One Stereo Pair Encoding on Base System; Optional Simultaneous Other Stereo Pair Encoding (Option MCE-AUD2)
	▪ AAC-LC, HE-AAC (AAC+), HE-AAC V2 (Option MCE-AAC)
	• Output Rates: 24, 32, 48, 56, 64 Kbps
	▪ MPEG I Layer II Audio Encoding ISO/IEC 11172-3
	▪ Output Rates: 32 Kbps up to 384 Kbps
Management and Control	▪ Full Monitoring and Control of System and Encoding Parameters through front panel touch screen
	▪ Password-Protected Web Browser Interface
Physical Dimensions and Power	▪ Dimensions (4RU)-rack mount
	▪ Approximate Weight: 25 Kg
	▪ Redundant Power Supply, 100-240VAC/50-60Hz, two separated 3-pin IEC Connector
	▪ Consumption: 400 Watts
Environmental Conditions	▪ Operating Temperature: 0°C to 50°C (32°F to 122°F)
	▪ Operating Humidity: 10 to 75% non-Condensing

Related Products

▪ Decoder/Receiver
SKY RX

▪ Professional rackmount IRD

Contact with us for more information.