DME-400
H.264 Encoder, 3G-SDI, HDMI, VGA, Audio & RS-23/422 Serial Data

DME-400

Features

- Broadcast quality H.264 encoding

- 3G-SDI, HDMI or VGA video

- Supports RTP, UDP & RTSP streaming

- Resolutions up to 1080P@60 Full HD

- Extremely low latency of 80 ms (with DMD-400)

- User friendly, easy to use WebUI

- Bi-directional audio & RS-232/422 serial data

- Unicast or multicast streaming

- Space saving, compact design

The DME-400 encoder and DMD-400 decoder is the perfect solution for high quality, low latency streaming over IP networks. The flexible design allows a wide variety of signal types/video interfaces to be sent over the network. The DME-400 has 3G-SDI, HDMI and VGA video inputs. Along with video streaming, it supports bi-directional analog stereo audio and RS-232/422 serial data for control. Additionally, it uses a high quality H.264 codec supporting up to 1080p@60, Full HD video at low bit rates. The DME-400 encoder when paired with the DMD-400 decoder can achieve 80 ms latency for live streaming applications. The DME-400 is the perfect solution for streaming broadcast quality video, audio and RS-232/422 serial data over LAN using UDP or RTP, but is also is capable of RTSP streaming for media server applications. Finally, the DME-400 & DMD-400 has the ability to select inputs on the fly by using the select button on the front panel; easily select between any of the connected video source inputs (3G-SDI, HDMI or VGA) and stream over the IP network.
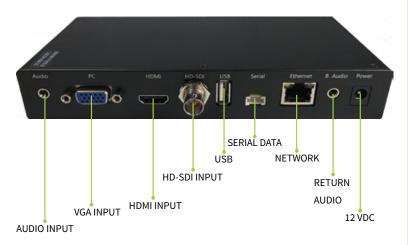
DME-400

H.264 Encoder, 3G-SDI, HDMI, VGA, Audio & RS-23/422 Serial Data

Models

Model	Description
DME-400	Single channel encoder, H.264, 3G-SDI, HDMI or VGA, Bi-directional stereo audio, RS-232/422 serial data, Low latency 80ms (with DMD-400), Unicast or Multicast, UDP, RTP and RTSP protocols, 12VDC power adapter included

LINK LED
SDI INPUT LED
POWER LED
HDMI INPUT LED
VGA INPUT LED
VIDEO INPUT SELECT

SERIAL DATA
USB
NETWORK
HD-SDI INPUT
RETURN
AUDIO
VGA INPUT
HDMI INPUT
12 VDC
AUDIO INPUT

Specifications

Video Specifications	
Inputs	3G-SDI, HDMI and VGA
Input Resolutions	HDMI (VESA) up to 1080P@60 3G-SDI SMPTE standards VGA (VESA) up to 1920x1080p60
Encoding Format	H.264 (MPEG-4 Part 10: AVC) Baseline profile level 4.2
Bit Rate Adjustment	100 Kbps to 30 Mbps
Audio Specifications	
Digital	Linear PCM (44.1 kHz/48 kHz)
Analog	Stereo, 48kHz 16-bit linear PCM
Back Channel	8kHz 16-bit linear PCM
Connectors	3.5mm
Streaming Specifications	
Protocols	UDP (Unicast & Multicast), RTP (Unicast & Multicast) RTSP
Latency	Typical 80 ms (with DMD-400 decoder)
Network Specifications	
Interface	RJ45 10/100 Mbps
Mechanical Specification	
Enclosure type	Stand-alone
Dimensions (L x W x H)	4" x 7.25" x 1.5"
Weight	1.5 lbs
Power Specifications	
Power Supply	12VDC@2A
Environmental Specifications	
Operating Temperature	0 to 50 C
Relative Humidity	0 to 90%, non-condensing
Storage Temperature	-30 to 65 C