



BROADCAST ENCODER-STREAMER

# MPE-4400

MPEG2 & h.264 AVC Broadcast Encoder

- H.264/AVC
- MPEG-2
- HDMI
- HD-SDI
- ASI
- IP/ Ethernet
- DVB-S2X
- DVB-C

Model designation as per manufacturer reference

## Overview

The VIZOBOX MPE-4400 is a professional broadcast-grade video encoder that converts HDMI/SDI sources into IP and transport streams for reliable, low-latency live distribution to any network.

## Key Features & Applications

- ✓ Broadcast-grade HDMI/SDI video encoding
  - ✓ Low-latency SPTS/MPTS over UDP, RTP/RTSP
  - ✓ Web-based management & monitoring
- ✓ MPEG-2, H.264/AVC (H.265 on select models)
  - ✓ PSI/SI editing & PID remapping
  - ✓ encoding and adjustment

## Technical Specifications

Technical Data:	
<b>Video Encoding</b>	MPEG2 & h.264 AVC
<b>Input</b>	HD-SDI x 4 or HDMI x 4 or 2x2
<b>Resolution</b>	1920 x 1080_60P, 1920 x 1080_50P, (-for MPEG4 AVC/H.264 only) 1920 x 1080_60i, 1920 x 1080_50i, 1280 x 720_60p, 1280 x 720_50P 720 x 480_60i, 720 x 576_50i
<b>Bit Rate</b>	0.5...19.5Mbps for H.264 encoding 1...19.5Mbps for MPEG-2 encoding
<b>Rate Control Mode</b>	CBR/VBR
<b>Chroma Sample</b>	4:2:0
<b>Aspect Ratio</b>	16:9, 4:3
<b>Audio encoding</b>	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 (2.0)
<b>Volume Normalization (Applicable)</b>	-31 ... -1 dB for DD AC3 encoding only)
<b>Sample rate</b>	48KHz System
<b>Bit rates</b>	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps
<b>Local interface</b>	LCD + Keypad
<b>Remote management</b>	Web Interface
<b>Low Latency Mode</b>	Normal, mode 1, mode 2
<b>Output</b>	2 x ASI out (BNC type) IP (1 MPTS & 4 SPTS) over UDP, RTP (RJ45, 1000/100/10BaseT)
<b>NMS interface</b>	RJ45, 100BaseT
<b>Power</b>	AC 100V...240V, 45W
<b>Dimensions</b>	482 x 400 x 44mm
<b>Weight</b>	4.5 kg
<b>Operation temperature</b>	0...45°C Corresponding Headend-Products: DVB-C QAM-Modulators: HDC-5004/5016 (4 or 16 DVB-C channels), BSS-Platform (QAM Modules) DVB-S2/T2 Modulators: HDM-Series IPTV distribution in corporate/broadcast or even Hospitality Networks (STB based or directly to TV's)

