



BROADCAST ENCODER/DECODER

# MPE-4000

MPEG2 & h.264 AVC Broadcast Encoder

H.264/AVC

MPEG-2

HDMI

HD-SDI

ASI

IP / Ethernet

Model designation as per manufacturer reference

## Overview

The VIZOBOX MPE-4000 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
- ✓ parallel Inputs)
- ✓ MPEG-2, H.264/AVC (H.265 on select models)
- ✓ PSI/SI editing & PID remapping
- ✓ and adjustment
- ✓ and SDI in)

## Technical Specifications

Technical Data:	
Interface	1×SDI, 1×CVBS, 1×YPbPr and 1×HDMI
Input	Output · Interfaces 1920×1080i@60
1920×1080i @59.94	1920×1080, 1440×1080, 1280×1080i, 960×1080i · HDMI, SDI, YPbPr 1920×1080i @50
Resolution	1280×720p@60
1280×720p@59.94	1280×720, 960×720p, 640×720p · HDMI, SDI, YPbPr Video 1280×720p@50
720×576i@50	720×576, 704×576, 640×576, 544×576, 528×576, 480×576, 352×576 · SDI, CVBS
720×480i@59.94	720×480, 704×480, 640×480, 544×480, 528×480, 352×480 · SDI, CVBS
Encoding	MPEG-2 HD/SD; MPEG-4 AVC/H.264 HD/SD · Bitrate Range · 0.52 – 60.00 Mbps
Rate Control	CBR (Encoding) · GOP Structure · Auto, IP, IPB, IPBB, IPBBB
Aspect Ratio	4:3, 14:9 (for SD video), 16:9 (for HD video) · Chroma · 4:2:0, 4:2:2 Advanced
Pretreatment	De-interlacing, noise reduction, sharpening
Interface	4×XLR, 4×RCA, 1×AES, 1×HDMI, 1×SDI (maximum 4 stereos synchronous processing or one DD 5.1 CH processing)
Encoding	MPEG-1 Layer II, HE-AAC (v1&v2), LC-AAC, DD AC3 (2.0, 5.1 available); DD AC3 pass-through (for SDI in) Audio
Sampling rate	48KHz · Resolution · 24-bit
Bit-rate	32Kbps...384Kbps
Low Latency options	150ms, 200ms, 350ms, 650ms depending on Resolution and S-Rates
Stream output	2×ASI output ports, BNC interface, IP over UDP and RTP, 100 Base-T Ethernet interface (UDP multicast/unicast)
System function	LCD/Keypad and web management, Language: English, Ethernet based software updates
Dimensions	482mm × 405mm × 44.5mm (W × D × H)

<b>Weight</b>	Approx. 4.0 Kg
<b>General Temperature</b>	0...45°C(Operation), -20...8°C(Storage)
<b>Power</b>	AC110V ±10%, 50/60Hz; AC 220V ±10% , 50/60Hz
<b>Consumption</b>	21W



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Model designation follows the manufacturer reference. Specifications are indicative, may vary by configuration and are subject to change without notice. © 2026 Vizobox Development GmbH. All rights reserved.