



HEAD-END ENCODER-STREAMER

EMU-9500

Head-End Encoder-Streamer

H.265/HEVC

H.264/AVC

HDMI

HD-SDI

IP / Ethernet

Model designation as per manufacturer reference

Overview

The VIZOBOX EMU-9500 is a high-density head-end encoder-streamer, converting multiple HDMI/SDI inputs into IP (SPTS/MPTS) and ASI streams for scalable IPTV and CATV head-ends.

Key Features & Applications

- ✓ High-density multi-channel HDMI/SDI encoding
- ✓ SPTS/MPTS output over UDP, RTP/RTSP
- ✓ Web-based management & monitoring
- ✓ MPEG-2, H.264/AVC & H.265/HEVC codecs
- ✓ PSI/SI editing & PID remapping

Technical Specifications

Technical specification EMU- 92xx (SDI) and 95xx (HDMI):

Input	4/8/12×HD-SDI or HDMI (1.4) inputs for option, HDCP 1.4 Encoding HEVC/ h.265, MPEG 4 h.264 AVC Format Output Input
HEVC/H.265	MPEG-4 AVC/H.264
4x1080p50	4x1080p50 · 2x1080p50 Resolution
4x1080p60	4x1080p60 · 2x1080p60
(HDMI V1, and SDI)	4x1080i50
4x1080i50	4x1080p50 2x1080p50
4x1080i60	4x1080p60 2x1080p60
4x720p50	4x720p50 · 4x720p50 Video
4x720p60	4x720p60 · 4x720p60
Encoding	3840×2160p30, 3840×2160p29.97 (Encoding 2 CHs per module for H.265, and encoding 1 CH for h.264)
Resolution (HDMI V2)	1920×1080p60, 1920×1080p59.94, 1920×1080p50, (Encoding 4 CHs per module for h.265, and encoding 2 CHs for h.264) 1280×720p60, 1280×720p59.94, 1280×720p50 (Encoding 4 CHs per module for h.264 and h.265)
Chroma	4:2:0
Bitrate	0.5Mbps...20Mbps (each channel)
Rate Control	CBR/VBR
GOP Structure	IBBP, IPPP Video correction De-interlacing, Noise Reduction, Sharpening Encoding MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2, AC3 Passthrough Format
Sampling rate	48KHz

Audio Encoding	48Kbps...384Kbps (MPEG-1 Layer 2 & LC-AAC) Bit-rate (each 24 Kbps...128 Kbps (HE-AAC) channel) 18 Kbps...56 Kbps (HE-AAC V2)
Audio Gain	0...255 IP (1 MPTS and maximum 4 SPTS) output over UDP/RTP/RTSP per module,
Stream output	1000/100MBase-T Ethernet interface (unicast/ multicast); IPv4, IPv6 output IP null packet filter Web based management System Firmware update per ethernet/web-IF
Dimension (W× L× H) 19“ 1RU	482×328×44mm
Approx weight	5kg Miscellaneous
Temperature	0...45°C(working evironment), -20...80°C (Storage)
Power	AC 100V-220V±10%, 50/60Hz



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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.