



### HEAD-END ENCODER-STREAMER

# EMU-8204

IPTV HEVC/h.264 Encoder with 4/8/12 Inputs

H.265/HEVC

H.264/AVC

HD-SDI

IP / Ethernet

DVB-C

QAM

Model designation as per manufacturer reference

## Overview

The VIZOBOX EMU-8204 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

- ✓ IPTV HEVC/h.264 Encoder with 4/8/12 Inputs
- ✓ 8 SDI input, 8 SPTS IPTV and 2 MPTS output (EMU 8208)
- ✓ On-Screen Graphics, Scrolling Text, QR Code insertion optional is a professional HD audio &
- ✓ PID filtering and re-mapping 4 ... 12 HD-SDI input Input: 4, 2x4 or 3x4 HD-SDI
- ✓ "Null PKT Filter" function
- ✓ Remote control by a modern Web based management This very compact Encoder
- ✓ IPv6 support (Streaming and Management)
- ✓ 4 SDI input, 8 SPTS IPTV and 1 MPTS output (EMU 8204)
- ✓ 12 SDI input, 12 SPTS IPTV and 3 MPTS output (EMU 8212)
- ✓ Accurate PCR adjusting multiplexing device.
- ✓ PSI/SI rebuilding and editing IPTV Encoder
- ✓ Audio: MPEG1L2, AAC, AC3pass passing audio encodings.
- ✓ Updates via Web-interface to 4, 8 or 12 HD-SDI

## Technical Specifications

<b>Input</b>	4/8/12×HD-SDI inputs (4 each Module)
<b>Encoding Format</b>	HEVC/ H.265 , MPEG 4 AVC/H.264 Output Input HEVC/H.265 MPEG-4 AVC/H.264 4x1080P-50 4x1080P-50 2x1080P-50
<b>Resolution (HD-SDI)</b>	4x1080P-60 4x1080P-60 2x1080P-60
<b>Note: because of its modular Fujitsu</b>	4x1080I-50 chip it demands per module on each
<b>4x1080I-50</b>	4x1080P-50 2x1080P-50
<b>Video</b>	input the same signal resolutions · 4x1080I-60 4x1080I-60 4x1080P-60
<b>Encoding</b>	2x1080P-60
<b>4x720P-50 4x720P-50</b>	4x720P-50
<b>4x720P-60 4x720P-60</b>	4x720P-60
<b>Chroma</b>	4:2:0
<b>Bitrate</b>	0.5Mbps...20Mbps (each channel)
<b>Encoding Rate Control</b>	CBR/VBR
<b>GOP Structure</b>	IBBP, IPPP
<b>Advanced picture correction</b>	De-interlacing, Noise Reduction, Sharpening MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2, Encoding Format AC3 Passthrough
<b>Sampling rate</b>	48KHz
<b>Audio Encoding</b>	48Kbps...384Kbps (MPEG-1 Layer 2 & LC-AAC)

<b>Bit-rate (each channel)</b>	24 Kbps...128 Kbps (HE-AAC) 18 Kbps...56 Kbps (HE-AAC V2)
<b>Audio Gain</b>	0...255
<b>OSD (optional)</b>	Text/logo/QR code Insertion Function OnScreenDisplay Overlay IP (1 MPTS and maximum 4 SPTS) output over UDP/RTP/RTSP per module, Stream output 1000M/100M Base-T Ethernet interface (unicast/ multicast); IPv4, IPv6 output per module IP null packet filter: MPTS- PID-8191dec adding or dropping Web based management
<b>System</b>	English control interface Ethernet software upgrade
<b>Dimension (W× L× H)</b>	482mm×328mm×44mm
<b>Approximately weight</b>	5kg Miscellaneous
<b>Temperature</b>	0...45°C(work), -20...80°C (Storage)
<b>Power</b>	AC 100V-220V±10%, 50/60Hz



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