

# MMA10G-TRXS-HC

## Standalone HEVC/H.264 Encoder/Decoder



CONNECT. COLLABORATE. SHARE RESOURCES. MANAGE.

Evertz' MMA-10G is a network-based AV distribution solution constructed using Evertz' award winning SDVN (Software Defined Video Network) architecture. MMA-10G utilizes a highly reliable 10GE infrastructure for routing video and audio and offers unprecedented scalability and reliability.



### Key Features

- One HDMI 2.0a input and one HDMI 2.0a output as well as one 12G SDI input and one 12G SDI output (3G/HD/UHD via SFP+)
- Simultaneous single HEVC/H.264 encode and decode up to 4K60, 10-bit, 4:2:2 color sampling (selectable bitrate from 1 - 50 Mbps)
- Analog audio input/output (via one Mini XLR connector) with AAC compressed audio support
- Streaming protocol support for Zixi, SRT, and RTMP
- Fanless device passively cooled by convection air flow
- Web-based configuration



### Advanced Media Compression Technology

The MMA10G-TRXS-HC employs standards-based HEVC (H.265) and H.264 video compression technology and outputs encoded streams that can be decoded using additional MMA10G-TRXS-HCs or by other third-party decoders. HEVC and H.264 encoding is supported natively for progressive standards, while HEVC encoding is supported for interlaced standards, and the encoding bitrate is configurable from 1 to 50 Mbps. With regards to its audio capabilities, the MMA10G-TRXS-HC supports AAC audio compression for HDMI/SDI embedded audio sources and audio signals coming from its analog audio Mini XLR input.

### Versatile Streaming Options

The MMA10G-TRXS-HC supports the Zixi, SRT (Secure Reliable Transport), and RTMP (Real-Time Messaging Protocol) streaming protocols. The MMA10G-TRXS-HC can be used to stream point-to-point over the Internet or over a local network allowing for a multitude of high-quality ultra low latency professional applications. With its powerful encoding/decoding functions and comprehensive streaming features, the MMA10G-TRXS-HC is truly one of the most versatile gateways in the market today.

### Flexible Control Port for Configuration and Transport

The MMA10G-TRXS-HC includes a dedicated control port that allows you to access the native Web UI for quick and easy configuration. The control port is also bridged with the HEVC/H.264/SRT/RTMP media stream for transport purposes.

### Standalone HEVC/H.264 Encoder/Decoder

The MMA10G-TRXS-HC is a standalone HEVC/H.264 encoder/decoder that features one HDMI input and one HDMI output with the option of installing a 12G SDI SFP+ transceiver to allow for the transport of SDI video and embedded audio. The MMA10G-TRXS-HC can simultaneously encode and decode video signals with a maximum resolution of up to 4K60 (10-bit, 4:2:2). The MMA10G-TRXS-HC is a compact and fanless standalone device utilizing robust encode/decode capabilities - an ideal gateway for various applications such as live streaming, surveillance, broadcasting, and more.

Front



Rear



av.evertz.com

Contents Subject to Change  
Rev. 02

North America/International AV Sales

avsales@evertz.com

+1 905-335-3700

# MMA10G-TRXS-HC

## Standalone HEVC/H.264 Encoder/Decoder



CONNECT. COLLABORATE. SHARE RESOURCES. MANAGE.

### Specifications

Video Inputs	1 HDMI 2.0a 1 12G SDI (via SFP+)
Video Outputs	1 HDMI 2.0a 1 12G SDI (via SFP+)
Supported Video Resolutions	4K60 (3840x2160p@59.94) and 4K50 (3840x2160p@50) 1080p@59.94 1080i@59.94 (interlaced formats are supported in HEVC mode only) 720p@59.94 and 720p@30
Video Compression	HEVC/H.265, H.264 (8-bit and 10-bit, 4:2:2 color sampling) with selectable rates from 1 Mbps to 50 Mbps
Analog Audio Inputs/Outputs	1 8-pin Mini XLR input/output (balanced mono)
Supported Audio Sampling Frequency and Bitrate	48/96kHz up to 24-bit, PCM (Broadcast applications) 32/44.1/48/96/192kHz @ 16/20/24-bit (ProAV applications)
Audio Compression	AAC 2.0 and AAC 5.1
Supported Streaming Protocols	Zixi SRT RTMP
Control and Ethernet Transport	10/100/1000Base-T RJ45 Ethernet Port (IEEE 802.3)
USB	1 USB port for configuration/maintenance (micro type B)
SFP Ports	1 SFP+ for 12G SDI (see available accessories)
CPIOs	2 (software definable as input or output)
Other Features	In-band control HDMI output scalers for interoperability with most monitors independent of streaming video resolution Customizable EDID tables Web-based configuration
DC Input Voltage	12VDC via supplied power adapter
Power Supply	100-240V / 47-63Hz AC input; 12VDC / 5A output
Power Consumption	40W
Ambient Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)
Dimensions (H x W x D)	1.75in x 4.13in x 7.43in (44.45mm x 104.90mm x 188mm)
Weight	31.04 oz (880g)

### Ordering Information

MMA10G-TRXS-HC	Fanless standalone 10-bit 4:2:2 HEVC/H.264 encoder/decoder
----------------	--

### Available Accessories

SFP3TR-HDBNC-12G	SFP+, 12G-SDI transceiver with HD-BNC connectors
------------------	--

EvertzAV, the EvertzAV logo, and VistaLINK are either trademarks or registered trademarks of Evertz Microsystems Ltd. HDMI and the HDMI logo are either trademarks or registered trademarks of HDMI Licensing LLC. Other trademarks, registered trademarks, and trade names mentioned in this document may refer to either the entities claiming the marks and names or their products and are hereby acknowledged. © 2023 Evertz Microsystems Ltd.



av.evertz.com

Contents Subject to Change  
Rev. 02

North America/International AV Sales

avsales@evertz.com

+1 905-335-3700