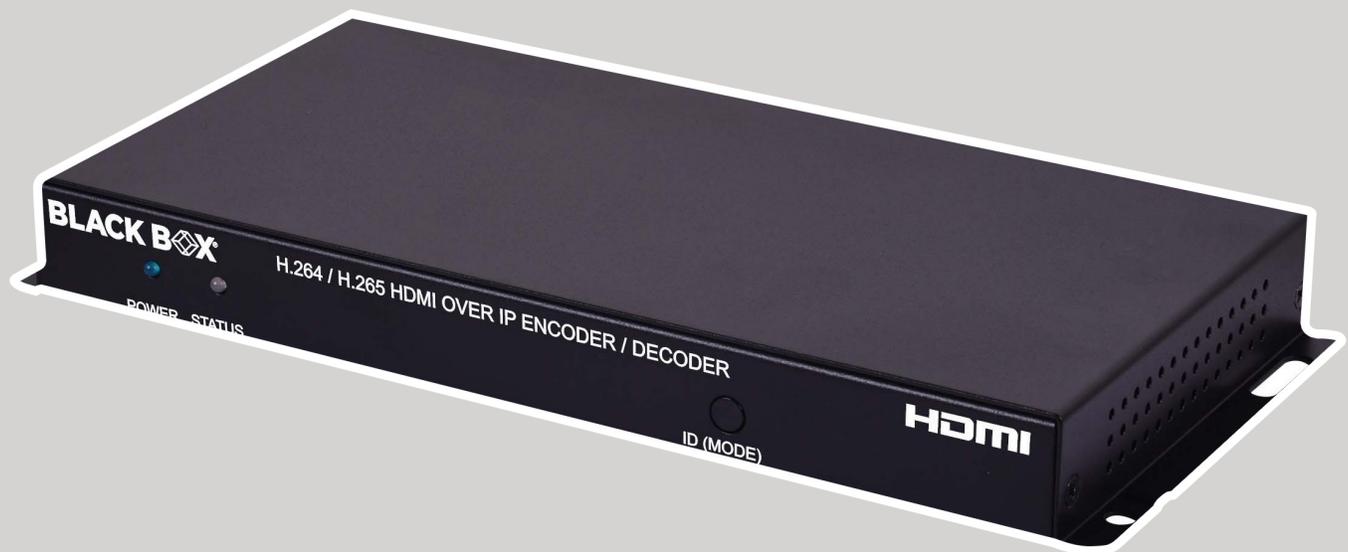


DATA SHEET

VS-2101X

H.264/H.265 HDMI OVER IP ENCODER/ DECODER

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM



BLACK BOX

OVERVIEW

H.264/H.265 HDMI OVER IP ENCODER/DECODER (VS-2101X) DATA SHEET

INTRODUCTION

The H.264/H.265 HDMI over IP Encoder/Decoder delivers live-stream, visually lossless quality video and high-quality audio over IP. This VS-2101X is an HDMI over H.264/H.265 transceiver. This means it can be used as an encoder or a decoder based on the mode selected. It features one HDMI input, one HDMI output, and one Ethernet port for simplified integration into your AV system. In encoder mode, the HDMI input will be encoded to H.264/H.265 and sent out the Ethernet port. In decoder mode, the H.264/H.265 data will be decoded from the Ethernet port and sent out the HDMI output.

FEATURES

- USES ONE HDMI INPUT, ONE HDMI OUTPUT, AND ONE ETHERNET PORT
- WORKS IN ENCODER OR DECODER MODE
- CONTROL VIA WEB UI
- CONSUMES LOW BANDWIDTH
- DELIVERS CONTENT WITH VISUALLY LOSSLESS QUALITY
- SUPPORTS AAC AUDIO ENCODING TO TRANSMIT HIGH-QUALITY AUDIO

ORDERING INFORMATION

ITEM	CODE
H.264/H.265 HDMI over IP Encoder/Decoder	VS-2101X

DISCLAIMER

Black Box Corporation shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Corporation may revise this document at any time without notice.

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ABOUT BLACK BOX

Black Box is a world leading technology solutions provider specializing in complete high-performance KVM, professional A/V signal distribution and extension and switching solutions for mission-critical applications. Black Box is dedicated to delivering superior project engineering, technical support, and 24/7 customer service you can rely on for your most critical operations.

Every day, our customers trust us to design, integrate, and maintain reliable control room solutions for broadcasting, post-production, stadiums & arenas, medical, air traffic control, oil & gas, government & military, and utility industries. Leave the tech to us and our comprehensive technology solutions will deliver secure connections, fast-response times, real-time collaboration and more.



SPECIFICATIONS

H.264/H.265 HDMI OVER IP ENCODER/DECODER (VS-2101X) DATA SHEET

VS-2101X SPECIFICATIONS	
VIDEO INPUT	
INPUT VIDEO CONNECTOR	(1) HDMI Type A
INPUT VIDEO TYPE	(1) HDMI 2.0
SUPPORTED INPUT RESOLUTIONS	1920 x 1200 at 60 Hz 4:4:4
INPUT VIDEO SIGNAL	0.5 – 1.2 V p-p
INPUT DDC SIGNAL	5 V p-p (TTL)
VIDEO IMPEDANCE	100 Ohms
STREAMING	
VIDEO ENCODING BIT RATE	Configurable
STREAMING PORT	(1) LAN (PoE), 10/100/1000BASE-T
STREAM VIDEO TYPE	H.264/MPEG-4 AVC/HEVC/H.265
STREAMING VIDEO RESOLUTIONS	Timing: H.264: Up to 1920 x 1200 at 60 Hz 4:2:0 H.265: Up to 1920 x 1200 at 60 Hz 4:2:0 Audio: Encoding: AAC Sampling Rate: 48 kHz Bitrate: < or = 240 kbps (AAC) Delivery: Multiple streams supported Transmission Method: unicast, multicast, RTP over RTSP, RTP over UDP/TCP Session
LATENCY	Low latency 180 ms (1080p at 60 Hz)
NETWORK SWITCH	Multicast, IGMP V2
VIDEO OUTPUT	
OUTPUT VIDEO PORT	(1) HDMI Type A
OUTPUT VIDEO TYPE	HDMI 2.0
SUPPORTED VIDEO RESOLUTIONS	HDMI: up to 1920 x 1200 at 60 Hz 4:4:4 Audio: LPCM, 48 kHz
SAMPLING RATE	48 kHz
ANALOG AUDIO OUTPUT	
MAX. AUDIO LEVEL	2 Vrms
THD+N	<0.1% at 1 kHz
SNR	> 70 dB at 1 kHz
FREQUENCY RESPONSE	± 3 dB 20 Hz to 20 kHz
CROSSTALK	<-60 dB at 1 kHz
IMPEDANCE	470 ohms
TYPE	Unbalanced
CONTROL	
CONTROL CONNECTORS	(1) RJ-45, 10/100/1000BASE-T Ethernet port
CONTROL METHOD	Web UI
IP ADDRESS	DHCP/Static/Auto IP
MECHANICAL	
INDICATORS	(4) LEDs: (1) Power, (1) Status, (2) RJ-45
USER CONTROLS	(1) ID Mode button
ENCLOSURE	Chassis Material: Metal (Steel); Chassis Color Black
MATERIAL	Anodized aluminum
DIMENSIONS	Case only: 0.98" H x 9.1" W x 4.3" D (2.5 x 23.1 x 10.8 cm); All inclusive: 0.98" H x 9.1" W x 4.6" D (2.5 x 23.1 x 11.7 cm)
POWER	(1) 5V/3A DC (Locking) (Level 6; EN62368-1) power connector POE AF mode (48V, 0.25A)

