FMUSER FBE308 HD Encoder

Overview:

The FMUSER FBE308 network encoder is a high-performance encoding device designed for IP broadcasting. It features 8/16/24 HDMI channels input with MPEG-4 AVC/H.264 video encoding and LC-AAC or HE-AAC audio encoding capabilities. This

versatile encoder can receive signals from various sources such as STB, PC, TV, and more. It enables live program streaming over the internet/LAN, and offers IP output options including UDP (Unicast/Multicast), SRT, RTSP, RTMP, HTTP, and HLS. The output signals can be received by PC, phones, and other mobile terminals. With the FMUSER FBE308 encoder, you can access your IP STB, PC, or TV from anywhere to watch your favorite programs.

Features:

- Support for 8/16/24 HDMI inputs, with 8/16/24 SPTS output (each encoder module supports SPTS only, no MPTS). Maximum of 24 HDMI inputs can be connected.
- MPEG4 AVC/H.264 video encoding format ensures high-quality video transmission.
- Supports MPEG1 Layer II, LC-AAC, HE-AAC audio encoding formats, AC3 Pass Through, and audio gain adjustment for optimal sound quality.
- Multiple IP output options available, including UDP (Unicast/Multicast), SRT, RTSP, RTP, RTMP, HTTP, and HLS.
- Enables QR code, LOGO, and caption insertion (Language Supported: 中文, English, العربيـــــة, ไทย, हिन्दी, русская, اردو; for more languages, please consult us).
- Features "Null PKT Filter" function for enhanced performance.
- Easy control and management via web interface, with seamless firmware updates.

Scenarios be applied:

1. IP broadcasting: Ideal for TV stations, radio stations, educational institutions, and online streaming platforms for live program streaming over the internet.
2. Remote viewing: Allows users to access their IP STB, PC, or TV remotely from anywhere, providing convenient access to their favorite programs.
3. Video conferencing: Enables high-quality video encoding for video conferencing applications, ensuring clear and smooth communication.

Benefits:

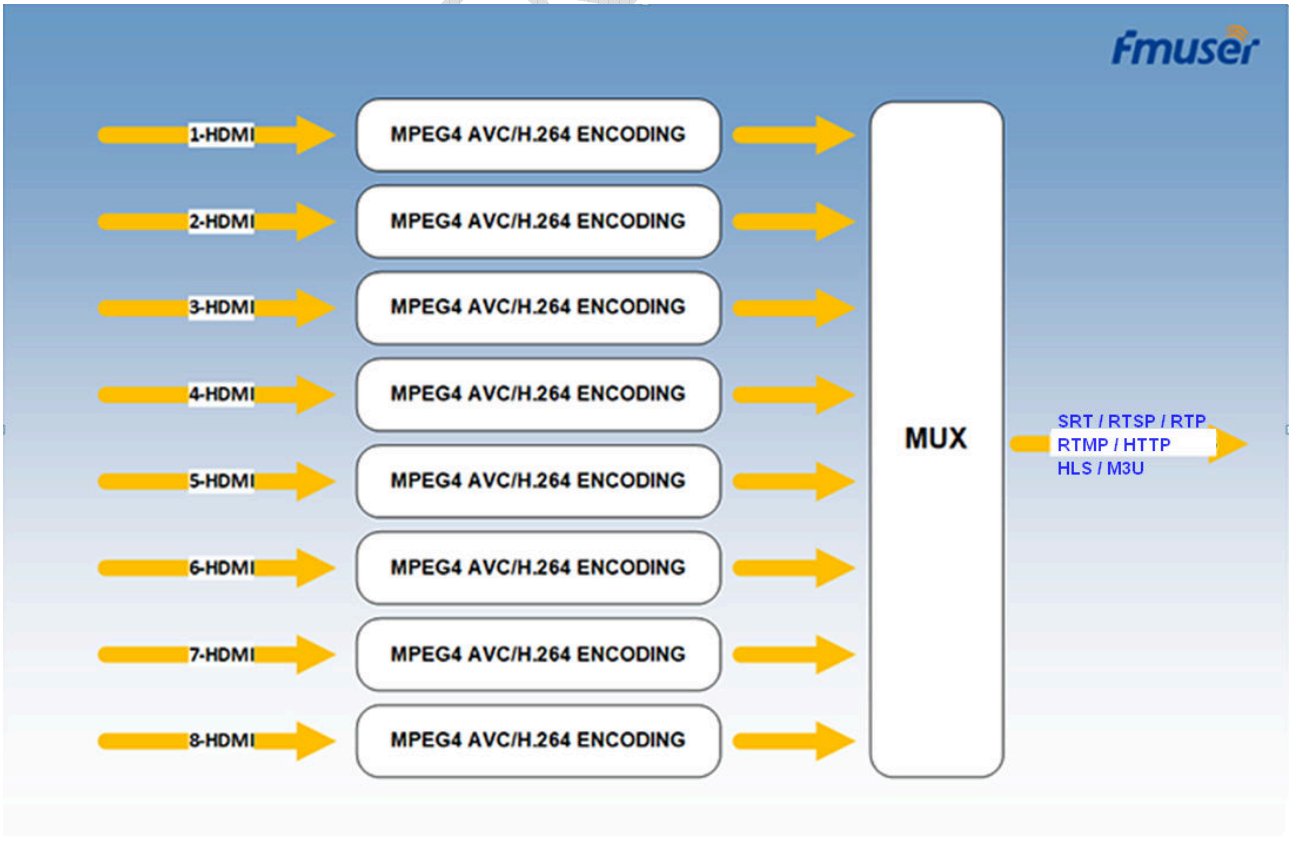
1. High-quality video and audio: The encoder supports advanced video and audio encoding formats, ensuring excellent video and audio quality for broadcasting and streaming applications.

2. Versatile IP output options: With support for multiple IP output protocols, the encoder offers flexibility in streaming and broadcasting to different devices and platforms.

3. Easy control and management: The web-based interface allows for seamless control and management of the encoder, making it user-friendly and convenient to operate.

4. Remote access: Users can access their IP STB, PC, or TV remotely, providing flexibility and convenience for watching programs on the go.

Chart of Per Module Principle :



Specification:

Input	8/16/24 HD inputs		
Video	Resolution	input	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720 x 576_50i,720 x 480_60i
		Output	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720 x 576_25P, 720 x 480_30P
	Encoding		MPEG-4 AVC/H.264
	Bit-rate		1~13Mbps each channel
	Rate Control		CBR/VBR
	GOP Structure		IP…P (P Frame adjustment, without B Frame)
Audio	Encoding		MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass through
	Sampling rate		48KHz
	Resolution		24-bit
	Audio Gain		0-255 Adjustable
	MPEG-1 Layer 2Bit-rate		48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
	LC-AAC Bit-rate		48/56/64/80/96/112/128/160/192/224/256/320/38

		4 kbps
	HE-AAC Bit-rate	48/56/64/80/96/112/128 kbps
Stream output	IP out over UDP (Unicast/Multicast),SRT, RTP,RTSP, RTMP, HTTP, HLS (RJ45, 1000M) (8 HDMI inputs with 8 SPTS for each encoder board)	
System function	Network management(WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension(W×L×H)	482mm×328mm×44mm
	Environment	0~45℃(work)；-20~80℃（Storage）
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

Equipment List:

	FBE308	FBE316	FBE324
8 HD Inputs with 8 SPTS and 1 MPTS out (1 NMS port+1 DATA Port)	✓		
16 HD Inputs with 16 SPTS or 2 MPTS out (2 NMS ports+2 DATA Ports)		✓	
24 HD Inputs with 24 SPTS or 3 MPTS out (3 NMS ports+ 3 DATA Ports)			✓