

FICHA TÉCNICA

DV-EM2416HI



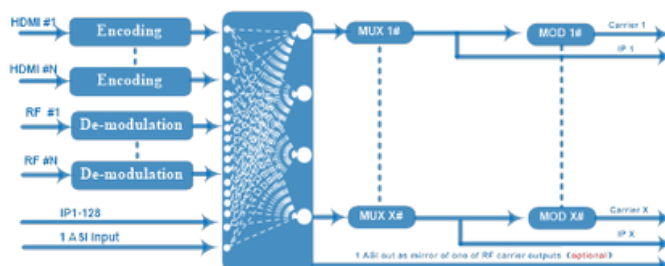
Product Overview

DV-EM2416HI is a professional high integration device which includes encoding (and de-modulation), multiplexing, and modulation functions in one case. It supports 24 HDMI inputs, 1 ASI input, 1 USB player input and 128 IP inputs via the GE port, and output by multiple ISDB-T carrier channels. It also supports MPTS output as mirror of carriers through the GE port and 1 ASI out as mirror of one of the carriers. This full function device makes it ideal for small CATV head end system, and it's a smart choice for hotel TV system, entertainment system in sports bar, hospital, apartment...

Key Features

- 24 HDMI (or HDMI plus DVB-S2/S2X tuner) inputs, MPEG-4 AVC/H.264 Video encoding
- 1 ASI input for re-mux
- 1 USB Player (Insert the USB Flash drive with "xxx.ts" videos in DH-EM116HI and play back the content in an easy way; file system FAT 32)
- 128 IP input over UDP and RTP via GE port
- Each carrier out channel process maximum 32 IP from the GE port (UDP&RTP protocol)
- MPEG1 Layer II, LC-AAC and HE-AAC Audio encoding, AC3 Pass Through and audio gain adjustment
- Support 16ch ISDB-T RF out Support 1 ASI out as mirror of one of RF output carriers---Optional
- Support MPTS IP output over UDP, RTP/RTSP
- Language Supported: 中文, English, العربية, हिन्दी, русский (...for more languages please consult us اردو, हिन्दी, русский)
- Support LOGO, Caption and QR code insertion
- Support PID remapping/ accurate PCR adjusting/PSI/SI editing and inserting
- Control via web management, and easy updates via web

Principle Chart



Technical Specification

Input	24 HDMI inputs for option 1 ASI in for re-mux 1 USB Player input for re-mux ("xxx.ts" video) 128 IP input over UDP and RTP, GE port, RJ45			
Video (HDMI Input)	Resolution	Input	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i,	
		Output	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P,	
	Encoding	MPEG-4 AVC/H.264		
	Bit-rate	1Mbps~13Mbps each channel		
	Rate Control	CBR/VBR		
	GOP Structure	IP...P (P Frame adjustment, without B Frame)		
Audio (HDMI Input)	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 2 Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps		
	LC-AAC Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps		
	HE-AAC Bit-rate	48/56/64/80/96/112/128 kbps		
Multiplexing	Maximum PID Remapping	255 input per channel		
	Function	PID remapping (automatically or manually)		
		Accurate PCR adjusting		
		Generate PSI/ SI table automatically		
	ISDB-T	Standard	ARIB STD-B31	
		Bandwidth	6M	
		Constellation	QPSK, 16QAM, 64QAM	
		Guard Interval	1/32, 1/16, 1/8, 1/4	
		Transmission Mode	2K, 4K, 8K	
		Code rate	1/2, 2/3, 3/4, 5/6, 7/8	
		MER	≥40dB	
		RF frequency	50~960MHz, 1KHz step	
RF out		6 (or 16) non-adjacent carriers output (maximum bandwidth 192MHz)		
RF output level	-20dBm~+3dBm, 0.1dB stepping			
Stream output	1 ASI output as mirror of one of RF output carriers (Optional) 6/16 MPTS output over UDP and RTP/RTSP as mirror of 6/16 ISDB-T carriers 1*1000M Base-T Ethernet interface, GE port			
System function	Network management (WEB)			
	Chinese and English language			
	Ethernet software upgrade			
Miscellaneous	Dimension (W×L×H)	482mm×328mm×44mm		
	Environment	0~45°C(work); -20~80°C (Storage)		
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz		