

8 HDMI / 12 HDMI MPEG4 HD Encoder Modulator



RF out & RF test port



8HDMI IN



Power supply

12 HDMI IN



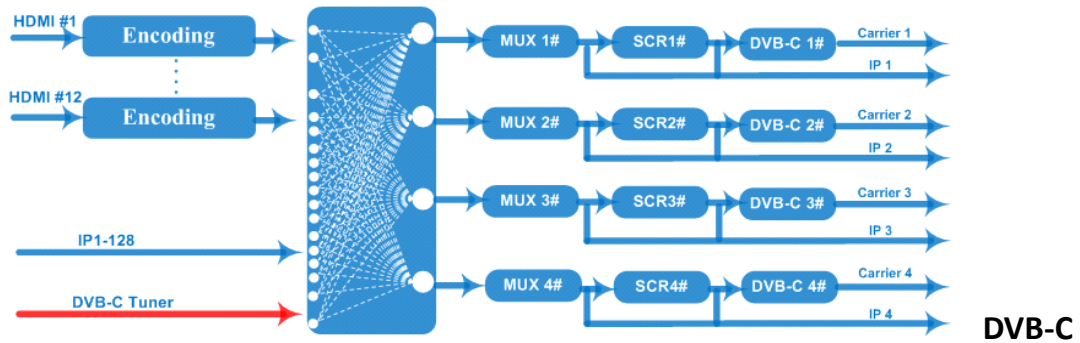
Product Overview

This is a professional high integration device which includes encoding, multiplexing, scrambling and modulation. It supports 8/12 HDMI input, one DVB-C tuner input and 128 IP input with Data1 (GE) and Data2 (FE) port. It also supports DVB-C/T RF out with 4 adjacent carries, and support Data1 (GE) output port to support 4 MPTS out. 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...

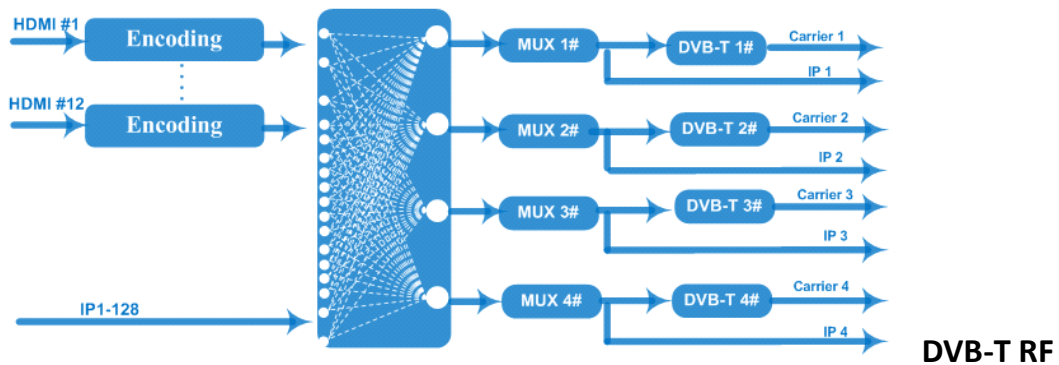
Key features

- **Support QR code, LOGO, OSD insertion for every local channel**
- **8/12 HDMI input, MPEG-4 AVC/H.264 Video encoding**
- **1DVB-C tuner input for re-mux (only for DVB-C RF out)**
- **128 IP input over UDP and RTP protocol**
- **MPEG1 Layer II Audio encoding and support audio gain adjustment**
- **4 groups of multiplexing/scrambling/modulation output channels**
- **Support 4 MPTS IP (DATA1 port only) output over UDP and RTP**
- **Support 1 ASI output (Optional as ordered)**
- **Support PID remapping/accurate PCR adjusting/PSI/SI editing and inserting**
- **Control via web management, and easy updates via web**
- **Lowest cost per channel, breakthrough price**

Principle Chart



RF out



out

Technical Specification

Input	8/12 HDMI inputs for option 1 DVB-C Tuner input for remux, F type interface (only for DVB-C RF out) 128 IP input over UDP and RTP		
Video	Encoding	MPEG-4 AVC/H.264	
	Resolution	In-put	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i,720×480_60i,
		Out-put	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P,720×480_30P,
	Bit-rate	1Mbps~13Mbps each channel	
	Rate Control	CBR/VBR	
	GOP Structure	IP...P (P Frame adjustment, without B Frame)	
Audio	Encoding	MPEG-1 Layer 2	
	Sampling rate	48KHz	
	Resolution	24-bit	
	Bit-rate	64kbps,128Kbps,192kbps,224kbps,256kbps,320kbps,384kbp ps	

Multiplexing	Maximum PID Remapping	180 input per channel		
	Function	PID remapping (automatically or manually)		
		Accurate PCR adjusting		
		Generate PSI/ SI table automatically		
Scrambling	Maximum simulcrypt CA	4		
	Standard	EN300 429/ITU-T J.83A/B		
	Connection	Local/remote connection		
Modulation	DVB-C	QAM Channel: 4		
		Standard: EN300 429/ITU-T J.83A/B		
		MER: ≥ 40 db		
		RF frequency: 50~960MHz, 1KHz step		
			RF output level: -26~-1dBm (81~106 db μ V), 0.1dBm	
			Symbol Rate: 5.0Msps~7.0Msps, 1ksps stepping	
			Constellation: 16/32/64/128/256QAM	
			J.83A	J.83B
	Constellation		16/32/64/128/256QAM	64/256 QAM
	Bandwidth		8M	6M
	DVB-T	Standard	EN300744	
		FFT mode	2K,	
		Bandwidth	6M, 7M, 8M	
Constellation		QPSK, 16QAM, 64QAM		
Guard Interval		1/4, 1/8, 1/16, 1/32		
FEC		1/2, 2/3, 3/4, 5/6, 7/8		
MER		≥ 42 dB		
RF frequency		50~960MHz, 1KHz step		
RF out	4*RF COFDM DVB-T out (4 carriers combined output)			
RF output level	-28~ -3 dBm (77~97 db μ V), 0.1db step			
Stream output	RF output (F type interface)			
	4 IP MPTS output over UDP/RTP, 1*1000M Base-T Ethernet interface (Data only)			
	1 ASI output (Optional as ordered)			
System function	Network management(WEB)			
	Chinese and English language			
	Ethernet software upgrade			
Miscellaneous	Dimension(W×L×H)	482mm×410mm×44mm		
	Approx weight	8kg		
	Environment	0~45°C(work) ; -20~80°C (Storage)		
	Power requirements	AC 110V \pm 10%, 50/60Hz, AC 220 \pm 10%,50/60Hz		
	Power consumption	70W		

Order Information

	V8 (DVB-C RF out)	V8 (DVB-T RF out)	V12 (DVB-C RF out)	V12 (DVB-T RF out)
8 HDMI Input	√	√		
12 HDMI Input			√	√
Scrambling function	√		√	
DVB-C Tuner Input	√		√	