

4K ENCODER & DVB MODULATOR

FEATURES:

- High performance 4K UHD signal encoding
- Support screen insertion of Logo, Caption, QR code and advertising...
- 2 HDMI input (one for backup) and 1 HDMI loop out
- Support DVB-C, DVB-T and DTMB modulation output
- Support 2 ASI and 32 IP input for remux
- Support IP null packet filter
- Real-time output bit-rate monitoring
- Support Web "NMS" and upgrade via Web



TECHNICAL SPECIFICATIONS:

Model		DC-4E100	DT-4E100	DM-4E100
Input	HDMI	1 HDMI input (2.0) with 2 HDMI port, HDCP 2.2/1.4		
	ASI	2 ASI input, BNC interface		
	IP	32 IP input (MPTS/SPTS) over UDP/RTP protocol		
Input video	Resolution	3840x2160_60p/50p/30p/25p/24p, 1920x1080_60p/50p/30p/25p/24p		
	Chroma	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0 (2160P_50/60Hz only)		
Video encoding	Encoding	H.265/HEVC, H.264/AVC		
	Chroma	4:2:2, 4:2:0		
	Bit-rate	1~23Mbps		
	Rate control	CBR		
Audio encoding	Encoding	MPEG-1 layer II, LC-AAC, AC3 passthrough		
	Sampling rate	48KHz		
	Bit-rate	64~256Kbps (each channel)		
Multiplexing		2 ASI input multiplexed with local 1 channel of TS		
		PID remapping (automatically or manually)		
		Accurate PCR adjusting		
		PSI/SI editing and inserting, generate PSI/SI table automatically		
Output section (RF)	Standard	DVB-C (J.83A, J.83B)	DVB-T (EN300744)	DTMB (GB20600-2006)
	Symbol rate	5.0~7.0Msps	----	----
	Bandwidth	8M (J.83A), 6M (J.83B)	6M, 7M, 8M	----
	Constellation	16/32/64/128/256 QAM	QPSK, 16QAM, 64QAM	4/16/32/64 QAM
	MER	≥43dB	≥42dB	≥42dB
	FFT mode	----	2K/4K/8K	----
	Guard Interval	----	1/4, 1/8, 1/16, 1/32	----
	FEC	----	1/2, 2/3, 3/4, 5/6, 7/8	----
	Output level	82~104dBμV, 0.1dB step		
	Output frequency	50~960MHz, 1KHz step		
Connector	F type (75Ω)			
Stream output	ASI	1 ASI output through 4 BNC interfaces		
	IP	1 MPTS over UDP/RTP, 1000/100M Base-T Ethernet interface (unicast / multicast)		
General	Mains supply voltage	100~220VAC ±10% , 50/60Hz		
	Consumption	40W		
	Dimensions	44mm(H) x 482mm(W) x 255mm(D)		
	Weight	4kg		
	Temperature	0~45°C (operating), -20~80°C (storage)		