

HD100B HD ENCODER & DVB MODULATOR

FEATURES:

- All-in-one integrating MPEG-2 encoding and DVB modulating
- Multi-standard modulation in one device, support one DVB-C/DVB-T/ATSC/ISDB-T/DTMB output option
- Support CC (Closed Caption), EIA608
- Support "Program Name" & "LCN" setting
- Low latency (50~1000ms)
- All parameters are set by computer
- Support Web NMS and software upgrade
- External power supply unit
- Standalone wall mount type



TECHNICAL SPECIFICATIONS:

Input section (Video)	Input	HDMI x1
	Encoding	MPEG-2
	Resolution	1080@60p/60i→1080@30p, 1080@50p50i→25p, 720@60p→30p, 720@50p→25p, 576@50i→25p, 480@60i→30p
	Bit-rate	2~20Mbps
	Rate control	VBR
	Aspect ratio	16:9
	GOP	1~60

Input section (Audio)	Encoding	MPEG1 layer II, AAC, AC3
	Sampling rate	48KHz
	Bit-rate	MPEG1 layer II: 192Kbps, AAC: VBR, AC3: 128Kbps

Output section (RF)	Standard	DVB-C J.83A, J.83B	DVB-T COFDM	ATSC A/53	ISDB-T ARIB STD-B31	DTMB GB20600-2006
	Bandwidth	8M (J.83A), 6M (J.83B)	2~8M	6M	6M	2~8M
	Constellation	J.83A:16,32,64, 128,256QAM J.83B: 64,256QAM	QPSK, 16QAM, 64QAM	8VSB	QPSK, 16QAM, 64QAM	---
	Code rate	---	1/2, 2/3, 3/4, 5/6, 7/8	---	1/2, 2/3, 3/4, 5/6, 7/8	---
	Guard interval	---	1/32, 1/16, 1/8, 1/4	---	1/32, 1/16, 1/8, 1/4	---
	Symbol rate	3~7MSPS	---	---	---	---
	Transmission mode	---	2k, 8k	---	2k, 4k, 8k	S-0.8-4QAM-595 S-0.8-16QAM-595 M-0.4-16QAM-945V M-0.6-16QAM-945V M-0.6-64QAM-420V M-0.6-64QAM-945V M-0.8-16QAM-420V M-0.8-16QAM-945V M-0.8-64QAM-420V
	MER	>35dB				
	Adjustable output frequency	100~1000MHz (1KHz step)				
	Adjustable output level	-63~-16dBm (44~91dBμV) 1dB step				
	RF loop-in loss	-10dB				
	Connector	F type (75Ω)				

General	Power supply	100~240VAC / 12VDC (2A)
	Dimensions	144mm(H)x203mm(W)x52mm(D)
	Weight	1kg
	Temperature	0~45°C (operating), -20~80°C (storage)