

CV100B SERIES SD ENCODER & MODULATOR

FEATURES:

- All-in-one integrating MPEG-2 encoding and DVB modulating
- Standalone wall mount type
- Support "Program Name" & "LCN" (Logical Channel Number)
- Support video aspect ratio 16:9 and 4:3
- LCD display and control setting on front panel
- External power supply unit



TECHNICAL SPECIFICATIONS:

Model		DVBC-CV100B	DVBT-CV100B	ATSC-CV100B	ISDBT-CV100B	DTMB-CV100B
Input section (Video)	Input	1 x CVBS (RCA)				
	Encoding	MPEG-2 MP@ML (4:2:0)				
	Resolution	720 x 576_50i (PAL) / 720 x 480_60i (NTSC)				
	Bit-rate	1.000~19.500Mbps				
Input section (Audio)	Input	1 x L/R (RCA)				
	Encoding	MPEG-1 layer II				
	Sampling rate	48KHz				
	Bit-rate	64, 96, 128, 192, 256, 320Kbps				
Output section (RF)	Standard	J.83A (DVB-C), J.83B, J.83C	DVB-T COFDM	ATSC A/53	ARIB STD-B31	GB20600-2006
	Bandwidth	6M, 8M	6M, 7M, 8M	6M	6M	8M
	Constellation	J.83A:16,32,64, 128,256QAM J.83B & J.83C: 64,256QAM	QPSK, 16QAM, 64QAM	8VSB	DQPSK, QPSK, 16QAM, 64QAM	4QAM-NR, 4QAM, 16QAM, 32QAM, 64QAM
	Code rate	---	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	---
	Transmission mode	---	2k, 8k	---	2k, 4k, 8k	---
	Symbol rate	5000~9000Ksps	---	---	---	---
	FFT mode	---	---	---	---	1, 3780, 1+pilot
	Frame mode	---	---	---	---	420, 595, 945, 420var, 945var
	FEC	---	---	---	---	0.4, 0.6, 0.8
	Interleaving	---	---	---	---	240, 720
	MER	>38dB				
	Adjustable output frequency	30~960MHz (1KHz step)				
	Adjustable output level	-36~-16dBm (72~92dBμV) 0.1dB step				
	Spurious	>55dB				
	RF loop-in loss	-1dB				
Connector	F type (75Ω)					
General	Upgrade	JTAG				
	Mains supply voltage	100~240VAC				
	Operating voltage	12VDC / 22W				
	Dimensions	110mm(H) 153mm(W) 50mm(D)				
	Weight	1kg				
	Temperature	0~45°C (operating), -20~80°C (storage)				