

DTMB-HS300R HD Encoder & DTMB Modulator with DVB-S/S2 Receiver

FEATURES:

- Suitable for Hong Kong Digital Terrestrial TV system
- 1x HDMI and 2x DVB-S/S2 input to DTMB transmutation
- Complete transport stream processing and re-multiplexing
- ASI in/out with re-mux
- With IP output (MPTS)
- Support "Program Name" & "LCN" insertion
- LCD display and control setting on front panel
- Ethernet software upgrade
- Support Web "NMS"
- With CI slots, multiple programs decryption support (optional)



TECHNICAL SPECIFICATIONS:

Input section (HDMI)	Input	1
	Encoding	H.264/AVC High profile level 4.0 (HD)
	Resolution	1920x1080_60p / 50p, 1920x1080_60i / 50i, 1280x720_60p / 50p, 720x480_60i, 720x576_50i
	Bit-rate	1.000~19.500Mbps
Input section (xPSK)	No. of input	2
	Input frequency range	950 ~ 2150MHz (500KHz step adjustable)
	Input level	-65~-20dBm (43~88dBμV)
	Symbol rate	2~45MS/s
	FEC	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	Constellation	QPSK, 8PSK
	RF loop-out loss	-1dB
	Connector	F type (75Ω)
Output section (DTMB)	Standard	GB20600-2006
	Channel bandwidth	8M
	FFT mode	1, 3780, 1+pilot
	Constellation	4QAM-NR, 4QAM, 16QAM, 32QAM, 64QAM
	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	-30~-10dBm (78~98dBμV) 0.1dB step
	Spurious	>55dB
	RF loop-in loss	-1dB
Connector	F type (75Ω)	
Stream output	ASI	2 x ASI output, BNC interface
	IP	MPTS over UDP, RJ45 100M, (UDP unicast / multicast)
General	Mains supply voltage	100~240VAC
	Consumption	25W (without CAM)
	Dimensions	44mm(H) x 482mm(W) x 300mm(D)
	Weight	3kg
	Temperature	0~45°C (operating), -20~80°C (storage)