

DT2-AI100 DVB-T2 MODULATOR

FEATURES:

- DVB-T2 modulation, fully complying with EN302755 standard
- Support 1 ASI input and 3 for backup
- TS over IP input (UDP)
- 10MHz in/out and 1PPS in/out
- Support MISO and SISO
- Support non-linear and linear digital pre-distortion (DPD)
- Constant temperature crystal oscillator, as high as 0.1 ppm stability
- LCD display and control setting on front panel
- Support online upgrade
- Support Web "NMS"



TECHNICAL SPECIFICATIONS:

Model		DT2-AI100
Input	ASI	1 ASI and 3 for backup, BNC interface
	IP	TS over IP port (UDP), RJ45
	10MHz reference clock	10MHz reference clock input and 1 loop out, BNC interface
	1PPS	1PPS input and 1 loop out, BNC interface
	DPD	DPD input (BNC) and 1 loop out (F)
Modulation	Standard	EN302755
	Mode	Mode A: single-PLP
	PLP Constellation	QPSK, 16QAM, 64QAM, 256QAM (normal or rotated)
	L1 Post Constellation	BPSK, QPSK, 16QAM, 64QAM
	FEC length	Short (16K), Normal (64K)
	FEC rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
	Pilot Pattern	PP1-PP8
	Guard Interval	1/128, 1/32, 1/16, 19/256, 1/8, 19/128, 1/4
	FFT mode	1k, 2k, 4k, 8k, 16k, 32k (normal or extended)
	Bandwidth	5MHz, 6MHz, 7MHz, 8MHz
	Net mode	MFN
	MER	>43dB
	Shoulder level	>56dB
	Adjustable output frequency	30~999MHz (1Hz step)
	Adjustable output level	-25~+3dBm (0.1dB step)
	Connector	N type (50Ω)
RF out test point	-20dB, F type (75Ω)	
General	Mains supply voltage	AC220V ±10%, 50/60Hz
	Consumption	35W
	Dimensions	44mm(H) x 482mm(W) x 410mm(D)
	Weight	5kg
	Temperature	0~45°C (operating), -20~80°C (storage)