

DTV & IPTV Multi-standard Signal Generator

- Output type: RF, ASI, TsoIP
- Multi-standard support: DVB, ATSC, ISDB, DTMB, CMMB
- Real-time modulation from: ASI, TSoIP
- Sensitivity testing and noise simulation (optional)

FEATURES

- High performance at affordable price
- Generate RF, ASI, TsoIP signal
- Multiple input source: file, ASI, TsoIP
- Compliant with : DVB-T/T2/C/C2/H, DVB-S/S2, ISDB-T/S, ATSC(8VSB/16VSB), QAM-B/C, DTMB, CMMB
- Support MPEG-2, H.264, MPEG-4, AVS stream
- IQ sample playout as an option
- Friendly GUI and touch panel
- Support file play out from removable disk
- Support Multi-standard RF output simultaneously
- Multi-Options available
 - Sensitivity testing: 0~-110dBm, 1dB step
 - Noise simulation: AWGN, Echo
 - TSoIP Encapsulation: UDP, RTP
 - MPEG Stream in-depth analyzer



Applications

- STB/iDTV design and manufacturing
- Broadcaster and TV content provider
- Digital TV ASIC and Tuner design house
- IPTV equipment and system integrator

Specification

Standards

Parameter		Value (VHF/UHF)	Value (Satellite)
RF Main	Connector	BNC, 50Ω	F-type, 75
	Return Loss	≥15dB	≥15dB
	Level	-31.5~0dBm±2dB(QAM) -34.5~-3dBm±2dB(OFDM)	-30dBm ± 3dB
	Attenuator	0 ~ -110dBm ± 0.1dB	N.A
RF Monitor	Connector	F-type, 75Ω	F-type, 75
	Return Loss	≥15dB	≥15dB
	Level	-27.5 ±3dB(QAM) -30.5 ±3dB(OFDM)	-30dBm ± 3dB
DVB ASI	Connector	BNC, 75Ω	
	Return Loss	≥15dB(5~270Mhz)	
	Rx/Tx Rate	0 ~ 214Mbps	
GigE Port (IP Stream)	Physical	IEEE802.3ab	
	Connector	RJ-45, 10/100/100Mbps	
	TS Rate Max.	600Mbps	
	Protocol	UDP, RTP	
	ASI<->IP Rate	0 ~ 200Mbps	
	TsoIP&FEC	SMPTE-2022	

CMMB*	GY/T 220.1-2006
ATSC VSB	ATSC A53/E
ADTB/DMB-T*	GB20600-2006
DVB-T/DVB-H	EN300 744
DVB-C	EN300 429, J.83 Annex A
ISDB-T*	ARIB STD-B31
US QAM/QAM-C	J.83 Annex B/C
IQ*	IQ sample playout
DVB-T2*	EN 302 755
DVB-C2*	EN 302 769
DVB-S/S2*	EN 302 307
ISDB-S	ITU-R BO.1408

* Options

Electrical and Mechanical

Power Supply	200W, 100V~240V AC
Size	188x310x407 mm (HxWxD)
LCD Screen	8", 640x480, Touch Panel
temperature	0~35° C(operation) -20 ~ 60°C(Storage)
Humidy	5~90%@40°C, non-frozen