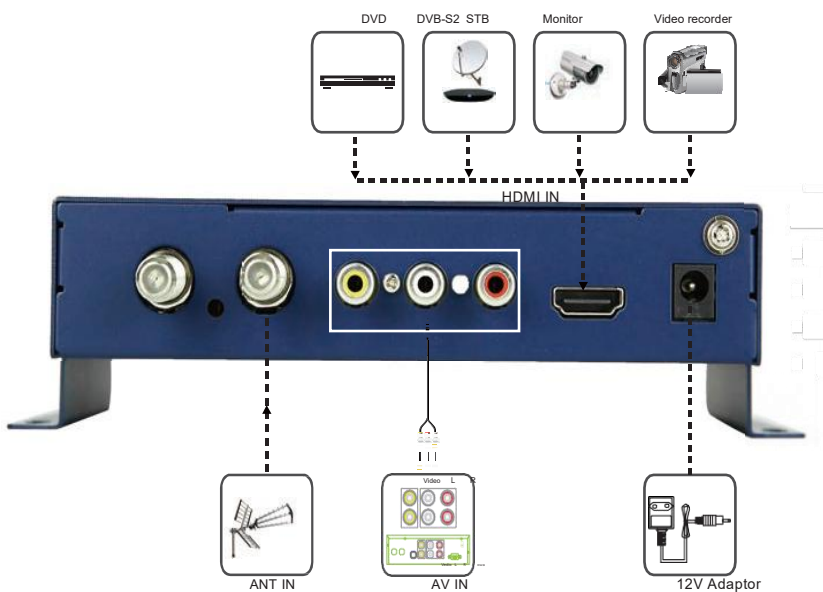
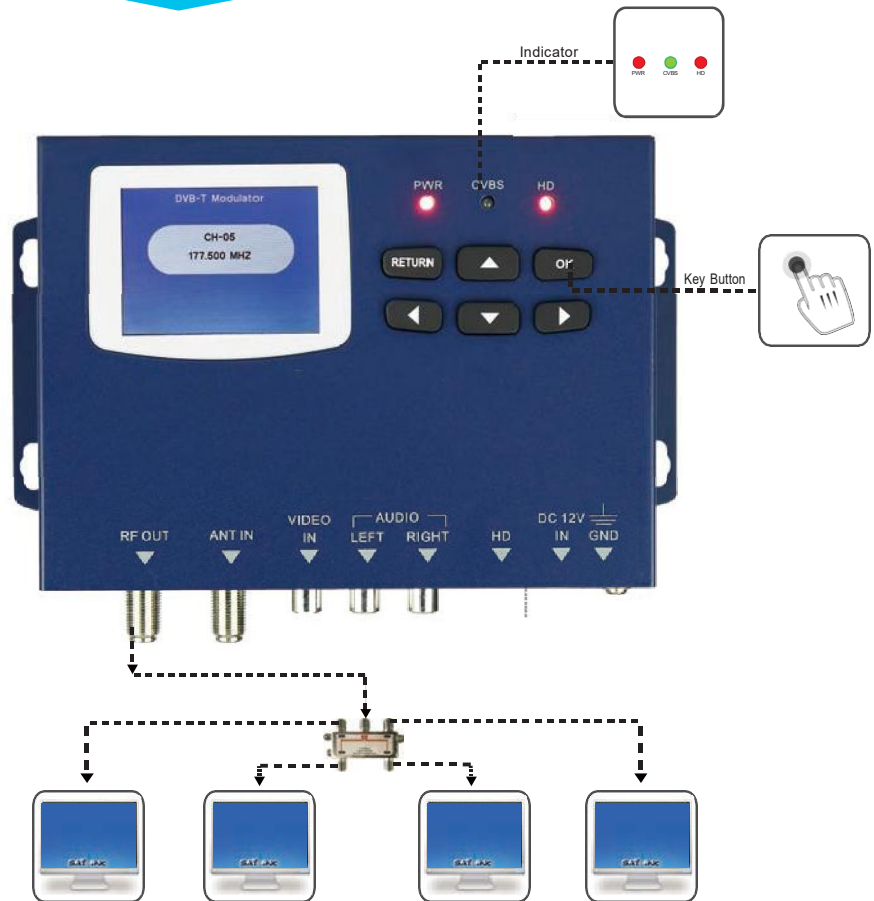


HP1801 DVB-T/DVB-C/ISDB-T Modulator

HP1801 is developed to adapt global terrestrial digital television. It's mainly applied in home entertainment, surveillance control, hotel Digital Signage, shops etc. And it is integrating MPEG-4 AVC/H.264 encoding and modulating to convert HD/AV signals into DVB-T/DVB-C/ISDB-T RF out.

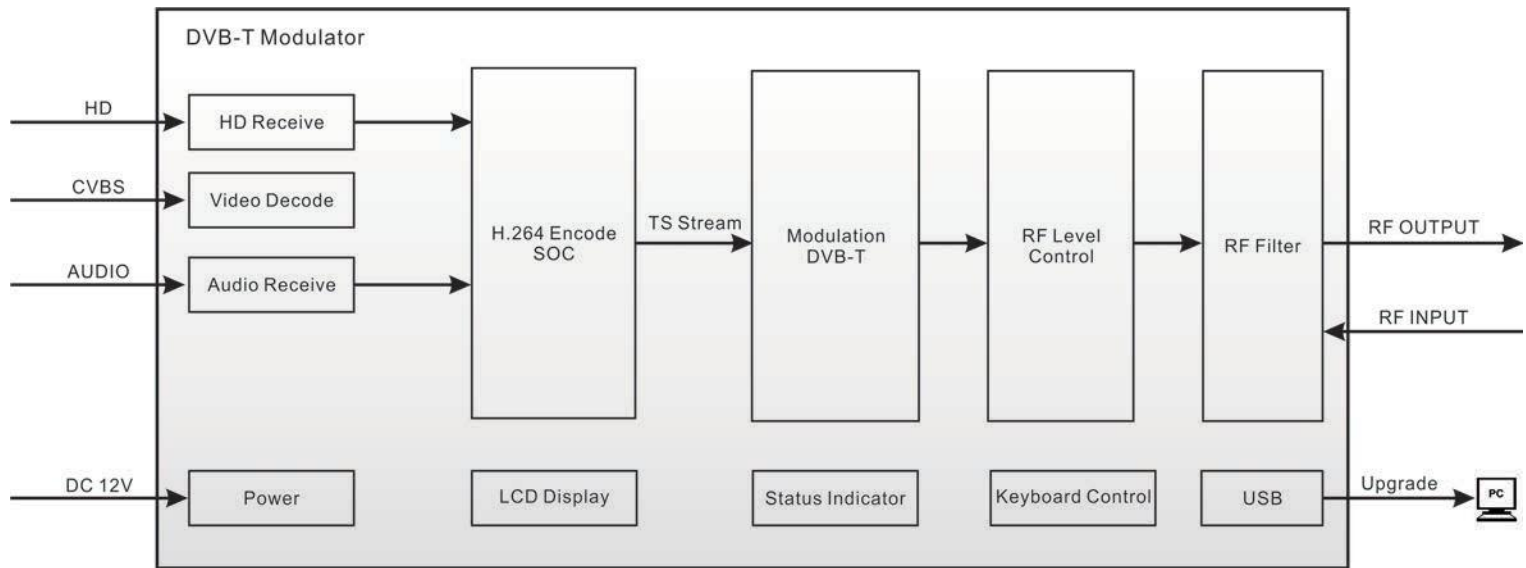
KEY FEATURES

- High level of integration, high-performance, Full-featured, integrated design
- single input modulator convert to one DVB-T channel
- Standard COFDM modulation and H.264 encoding
- Multiple video format compatibility including 576i(PAL) / 480i(NTSC) / 1080p
- Bandwidth: 6/7/8MHz



- Frequency range: 100~860MHz
- Continuously adjustable RF signal output level range 70dBuV from 100dBuV, step 1dBuV
- 2.4-inch color LCD display
- Carriers 2K and 8K
- User friendly setup and control
- Compact and wall mountable

FUNCTIONAL BLOCK DIAGRAM



TECHNICAL SPECIFICATIONS

DVB-T Mode		ISDB-T Mode	
MER	>32dB	Bandwidth	6M
Constellation	QPSK / 16QAM / 64QAM	Carrier	2K/4K/8K
Bandwidth	6 / 7 / 8 MHz	Constellation	QPSK/QAM-16/QAM-64
Carriers	2K / 8K	Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32	Guard Interval	1/4, 1/8, 1/16, 1/32
Code Rate	1/2, 2/3, 3/4, 5/6, 7/8	MER	>32dB
Frequency Range	50 ~ 860MHz	Frequency Range	50 ~ 860MHz
Attenuator	0 ~ 30dB	Attenuator	0 ~ 30dB
Output Impedance	750	Output Impedance	750
DVB-C Mode		HD Input	
Bandwidth	8M	Compression	H.264 - bitrate 1-20 Mb/s
Symbol Rate	6875kbps, editable	Video Resolution	1920*1080_60P, 1920*1080_50P; 1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P
Constellation	QAM-16/QAM-32/QAM-64/QAM-128/QAM-256		
MER	>32dB	Connector	HD
Frequency Range	50 ~ 860 MHz	General	
Attenuator	0 ~ 30dB	Power Source	DC 12V/1.5A
Output Impedance	750	Operating	0 ~ +45°C
Video Output		Dimensions	155mm(L) ×114mm(W) × 33mm(H)
Video Resolution	11920*1080_30P, 1920*1080_25P; 1920*1080_30i, 1920*1080_25i; 1280*720_30p, 1280*720_25P	Weight	0.34Kg