

WK-2408T Tunner To RF Professional Modulator

OVERVIEW



WK-2408T FTA Tuners DVB-SS2/T/T2/C/ISDB-T/ATSC-T to RF Transmodulator

WK-2408T Plus Series 8/12/16/20/24 Channels professional Trans-modulator, 4 Tuners ports per module, Up to 6 Modules in Back panel, demodulate to 4 separate multiplexing and Up-converter modulating adjacent carrier out. It also supports 2*independent HDMI/SDI input and output. The Tuners support DVB-S/S2/T/T2/C/ ISDB-T /ATSC-T optional input, Output RF standard support DVBT/DVB-C/ATSC/ ISDB-T/DTMB option from UI, only need reboot the device after switch the output RF standard, IP Output 1*MPTS channels simultaneously.

This is an ideal solution for environments where you have a large number of air Channel, and widely used in IPTV System, Hotel, entertainment facilities, education broadcasting systems at schools and government buildings or any kinds of Source signals convert to Cable TV broadcast System, largely cost down the source gathering of Digital TV Broadcasting system and IPTV/OTT system which based on IP construction. Being the ideal multi-channel professional receiver used for FTA (free to air) IP signal source capture from digital tuner.

FEATURES

DVB-T/T2 Tuner

Frequency range: 30MHz-1000Mhz
 Bandwidth: 6Mhz, 7Mhz, 8Mhz
 Level: -87 ~ -20dBm
 Constellation: QPSK, 16QAM, 64QAM, 256QAM (Only DVB2)
 FEC Demodulation: DVBT: 1/2, 2/3, 3/4, 5/6, 7/8
 DVB-T2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6
 Guard Interval: DVBT: 1/4, 1/8, 1/16, 1/32
 DVB-T2: 1/4, 5/32, 1/8, 5/64, 1/16, 1/32, 1/64, 1/128

ISDB-T/Tb Tuner	Input frequency range: 30 ~ 900MHz Bandwidth: 6MHz Constellation: DQPSK, QPSK, 16QAM, 64QAM Interleave: 0, 4, 8, 16 Guard Interval: 1/32, 1/16, 1/8, 1/4 Transmission mode: 2K, 4K, 8K (FFT) FEC (Code Rate): 1/2, 2/3, 3/4, 5/6, 7/8
DVBC Tuner	Input frequency range: 110 ~ 862MHz DVBC (J83.A, J83.C, NO Annex B) Carrier: Annex A, Annex C Constellation (QAM): 16, 32, 64, 128, 256, 64/256 Bandwidth (Mhz): 8, 6 Symbol Rate (Mbaud): 5-7, 4.2-5.3 Tuner interface: Connector F-female type
DVB-S/S2 Tuner	Input frequency: 950-2150Mhz Symbol rate: 1~54MSps (DVB-S QPSK) 1~60MSps (DVB-S2 QPSK) 1~60MSps (DVB-S2 8PSK) 1~58MSps (DVB-S2 16APSK) 1~55MSps (DVB-S2 32APSK) Signal strength: -65 ~ -25dBm FEC demodulation: 1/2, 2/3, 3/4, 5/6, 7/8 (DVB-S QPSK) 1/4, 1/3, 2/5, 1/2, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (DVB -S2 QPSK) 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8 PSK) 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (16APSK) 3/4, 4/5, 5/6, 8/9, 9/10 (32APSK) Roll off: 0.20; 0.25; 0.35 (Only DVB-S) Demodulation mode: QPSK, 8PSK, 16APSK, 32APSK (Only DVB-S2) LNB polarity selection: Vol 0, 13V, 18V Selectable LNB band selection Tone: 0/22Khz Selectable Input impedance: 75 Ω FEC (Code Rate): 1/2, 2/3, 3/4, 5/6, 7/8
ATSC Tuner	Frequency range: 50-860 MHz Key reference specification: ATSC A/53 Input level: -34 to +40 dBmV Constellation: 8-VSB Bandwidth: 6Mhz
Modulation RF Output option	
MODULATION (4/8*RF for option)	Connector: 1 Port, F-Type, 75Ω Output Return Loss: 14 dB MER ≥ 40dB RF output level: -20 ~ 0dbm, 0.1db step Numbers of RF Channel: 4/8

	Modulation Mode: DVB-C, DVBT, ATSC, ISDBT, DTMB option
DVB-T Modulation	Channel: DVBT adjacent frequencies Modulation standard: EN300744 Frequency range: 96~864MHz, 1Khz one step Modulation standard: EN300744 Bandwidth: 6M, 7M, 8M FFT mode: 2K, 8K Constellation: QPSK, 16QAM, 64QAM Guard Interval 1/4, 1/8, 1/16, 1/32 FEC 1/2, 2/3, 3/4, 5/6, 7/8 TS bit rate < 31 Mbit/s
ATSC-T Modulation	Channel: 8VSB adjacent frequencies Constellation: 8VSB Frequency range: 96~864MHz, 1Khz one step Constellation: 8VSB TS bit rate < 19 Mbit/s MER ≥ 40 dB
DVBC Modulation	Channel: DVBC adjacent frequencies Frequency range: 96~864MHz, 1Khz one step MER ≥ 40 dB Symbol rate: 5~7 Mbaud DVBC standard DVBC (J83.A, J83.B, J83.C)
ISDB-T Modulation	Channel: ISDBT frequency Frequency range: 96~864MHz, 1Khz one step ISDB-T standard ARIB STD-B31 Constellation: DQPSK, QPSK, 16QAM, 64QAM Guard Interval: 1/32, 1/16, 1/8, 1/4 Transmission mode: 2K, 4K, 8K Code rate: 1/2, 3/4, 5/6, 7/8 Bandwidth: 6MHz TS bit rate < 21 Mbit/s MER ≥ 40 dB