

T-58

Full HD Digital T2 Terrestrial Receiver



Features

- Compact design
- Easy installation
- High Speed USB 2.0 Connection Support
- TimeShifting Support
- Software Upgrade via USB
- MKV, AVI, MPG, MP4, TS, VOB, JPEG & MP3 Playback Support
- Electronic Program Guide (EPG)
- Dolby Digital Bit-Stream out via HDMI
- Low Power Consumption in Stand-By

DC 5V



TECHNICAL SPECIFICATIONS:

Platform

Chip Vendor	ALI M3821
CPU	up to 1280DMIPS CPU
Operation system	TDS
Video decoder	"MPEG-2 MP@ML AVC/H.264 HP@L4.1 MPEG4 ASP Xvid"
Audio decoder	MEPG-1 layer I/II, Mpeg2 layerII, MPEG-2 AAC, MPEG-4 AAC,HEAAC, Dolby, Dolby downmix to 2ch ,Dolby plus,Dolby plus downmix to 2ch
RAM	DDR2 800MHZ 512Mbitx1
Flash	Serial Flash 32Mbit x 1
Standard	Standard DVB-T[ETS 300 744] & DVB-T2[EN 302 755]
Type	R836(RF)+M3821 SOC
Frequency Range	174MHz~862MHz
Bandwidth	VHF/UHF: 6MHz, 7MHz, 8MHz
Input Impedance	75Ω
Input Level	between -80.0dBm and -20.0dBm(Com- pliant With Nording Unified ver2.2.1[D- VB-T2 IRD Specification]),
Noise Figure	6 dB
Max Frequency offset	50KHz
Active ANT Power	DC 5V at max 75 mA, Overload protection
Short circuit protection	No damage to PCB or operation of unit during short, unit will return to normal operation after removal of short VDC block at the RF input interface to prevent tuner damage
Demodulation	COFDM
Transmission mode(FFT)	1k, 2k, 4k, 8k normal and extended, 16k normal and extended, 32k normal and extended.
Constellations	QPSK, 16-QAM, 64-QAM, 256-QAM Both rotated and non-rotated
Guard intervals	1/4, 19/256, 1/8, 19/128, 1/16, 1/32, 1/128

Code rate	DVB-T: Viterbi + Reed Solomon 1/2, 2/3, 3/4, 5/6, 7/8. DVB-T2: LPDC + BCH 1/2, 3/5, 2/3, 3/4,5/6.
Reed Solomon	204, 188, t=8
Scattered Pilot Pattern	PP1, PP2, PP3, PP4, PP5, PP6, PP7, PP8
Diversity	SISO/MISO
FEC Frame length	64800 bits, 16200 bits
DVB-T2 Input Profiles	Input Mode A-Signal PLP, input Mode B-Multiple PLPs(Common PLP, Type 1 and 2 up to the maximum allowed figure 255)
Interleaving	Bit + Cell + Time + Frequency
Mode of Extensions	Future Extension Frame(FEF)

Rear Panel

RF input	IEC type, IEC 60169-2 standard , Female
HDMI	HDMI1.3 , TYPE-A
AV output	(1-CVBS, 1-L/R) RCA output
DC Input	5V/1.2A
USB Connector	USB2.0 HostX1

Front Panel

Display	4-digit LED to indicate channel number and clock(Optional),POWER Indicating LED(Double Color)
Customer Logo	Choice
IR Sensor	38KHz
Support 3 key	Power/Channel Up & Down

Power Supply (Adapter)

Power supply unit type	SMPS AC-DC Adapter
Operating frequency of smps	65 [kHz]
Input voltage and frequency range	AC 100-240 V, 50/60 Hz
Output voltage	DC 5.0V/1.2A
Support true stand by mode	Power consumption <0.5W
Power consumption in normal working mode	Power consumption <5W(only DVB-T2 and no USB)
Box dimension	105mm(W)X 80mm(D)x 27mm(H)

Features and specifications are subject to change without any notifications.

