



DVB-T2 HD Digital Terrestrial Set-Top Box Model: DTR-T2A



Highlight Features

- Fully comply with DVB-T2 and H.264, AVC, MPEG-4, MPEG-2 Standard
- Channel and frequency search in automatic, manual and network search
- Fully support to 24 hours/7 days Electronic Program Guide(EPG)
- Time set by GMT offset automatic and manual, Time support
- Subtitle and Audio Description
- 1000 channels TV and Radio programmable
- Various channel editing function (favorite, move, lock, skip, delete, rename, find, sort)
- Automatic save for last channel
- Multimedia and photo playback via usb2.0 interface
- Active Antenna Power supply control DC Power 5 Volt on/off
- System software Update (SSU)
- Signal Strength and Signal Quality display
- Thai Industrial Standard approval

Specifications

Chip & Memory

- CPU 550 MHz
- Flash Memory 8 MBytes
- RAM 64 MBytes

Video Decoder

- Video Decode MPEG-2 MP@HL, MPEG-4 SP, DIVX1 3.11 (Optional), 4.X, 6.X, FLV Format H.264MP@HL, VC-1, RM&RMVB (Optional)
- Aspect Ratio 4:3 / 16:9
- Video Resolution 1080p, 1080i, 720p, 576p, 576i, 480p, 480i

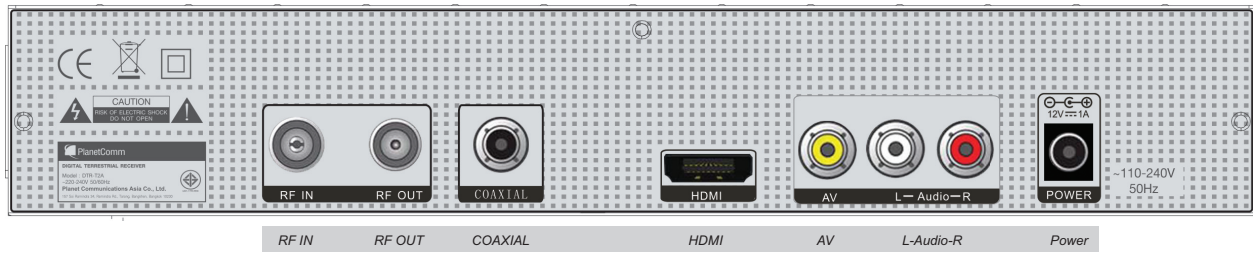
Audio Decoder

- Audio Decoe MPEG-1, MPEG-2 (Layer I/II), MP3, AC-3 (Optional), E-AC-3 (Optional), AAC-LC, HE-AAC 5.1
- Sampling Rate 32/22.1/44.1/48 KHz
- Audio Channel Left track, Right track, Stereo

Rear Panel

- RF Input IEC 169-2 Female
- RF Output IEC 169-2 Male
- CVBS Output 1 x RCA
- Analog Audio Interface 2 x RCA
- HDMI Interface 1 x HDMI
- USB Interface 1 x USB2.0
- Power Input Interface DC 12V

Back Panel



DVB-T2 HD Digital Terrestrial Set-Top Box

Specification

Front Panel

- LED Display 4 Digit seven-segment (Optional)
- Power / Lock LED Green / Red
- Button power, menu, ok, vol-, vol+, ch-, ch+

Power

- Power Supply switch forced switch
- Adapter Input Voltage AC, 100-240 V, 50 / 60 HZ
- Adapter Output Voltage DC 12 V
- Standby Power ≤ 1 W
- Consumption
- Maximum Power ≤ 10 W

Performance Parameters

Tuner & Demodulation

- Input Frequency Range 470 - 862 MHz
- Input Signal Level -79 to -20 dBm
- Demodulation QPSK, 16-QAM, 64-QAM, 256-QAM
- FFT Modes 1K, 2K, 4K, 8K (Normal), 8K (Extended), 16K (Normal), 16K (Extended), 32K (Normal), 32K (Extended)
- Guard Interval 1/128, 1/32, 1/16, 19/256, 1/8, 19/128, 1/4
- Code Rate 1/2, 3/5, 2/3, 3/4, 4/5, 5/6

Video Output

- Video Output Amplitude 700±30 mVp-p
- Video Synchronous Amplitude 300±20 mVp-p
- Video Frequency Response +0.8 dB (≤4.8 MHz), +1dB (4.8 MHz - 5 MHz), +0.5/-4 dB (5.5 MHz)
- DG ≤8 %
- DP ≤8°
- Video SNR (weighted) ≥56 dB
- Luminance Non Linearity ±8 %
- Chroma / Luminance Gain Differential ±5 %
- Chroma / Luminance Delay Differential ≤50 Ns
- K Factor ≤4 %

Performance Parameters

Audio Output

- Audio Output Level ≥-8 dBμV
- Audio Distortion ≤1.5 % (60 Hz - 18 KHz)
- Audio Frequency Response +1 / -2 dB (60 Hz - 18 KHz), +1 / -3 dB (20 Hz - 20 KHz)
- Audio SNR (un-weighted) ≥70 dB
- Cross-talk Into Channels ≤-70 dB
- Phase Difference ≤5° (60 Hz - 18 KHz)
- Level Difference ≤0.5 dB (60 Hz - 15 KHz)

Other Parameters

- Insulation Resistance ≥ 2 M Ω (DC voltage 500 V)
- Dielectric Strength 3000 V (AC peak), don't breakdown working 1 min
- EMI ≤ 1 x 10⁻¹⁰ W
- Working Temperature -10 ~ 40°C