

Digital Video Interfacing Products

iMod-T(AT278USB)

- ◆ DVB-T/H; QAM; ATSC Modulator
- ◆ IF & RF (VHF/UHF) Outputs
- ◆ DVB-ASI Input



Standard Features:

- ◎ High Speed USB 2.0
- ◎ Windows 2000, XP Drivers & SDK
- ◎ Free DVStation3 Alitrionika's Application Software
- ◎ Supports DVB According to Standard A1010 Rev1 & EN50083.
- ◎ Modulation of Transport Stream files from Harddisk.
- ◎ Modulation of TS from the ASI inputs.
- ◎ All modulation processes are carried out by the hardware so that there is no load on the PC processor,
- ◎ TPS flags to indicate TS contains MPE-FEC and/or Time slicing.
- ◎ Supports Burst or continuous modes, 188 and 204 packet sizes.
- ◎ Birate:
 - 14MB/s To 65MB/s(DVB-C)
 - 4.98MB/s To 31.67MB/s(DVB-T/H)
 - 10.76 Mbaud & 19.39 MB/s(ATSC 8-VSB)

Application:

Targeted for Digital Video Professionals, Sophisticated End Users and OEMs, the iMOD-T is an ideal solution for a number of applications such as:

- ◎ Development Tools for DVB-T/H/C; QAM-A/B/C & ATSC Receiver R&D.
- ◎ IP to DVB Gateway.
- ◎ DVB-Transport Stream Generation.
- ◎ Stand alone DVB-T/H/C signal generator for Test & Validation.
- ◎ Demonstration and Trade Shows.
- ◎ DVB-T/H; QAM & ATSC output for OEM produc

Power Consumption & Size

- ◎ Power Consumption: 4Watts
- ◎ Size LxWxH: 140mm x 130mm x 30mm

IF & RF Specifications:

- ◎ IF & RF Connector: 75 Ohms BNC.
- ◎ IF Output Frequency: 35/37 or 69/71MHz adjustable in 1Hz steps
- ◎ IF Output level: 0dBm @ 75Ohms
- ◎ RF Output Frequency Range: 50MHz to 1000MHz
- ◎ RF Output power over bandwidth: 2dBm to -35dBm/ 0.5dBm Steps
- ◎ Spectral Inversion: Both inverted and non-inverted
- ◎ Guard Interval Modes: 1/32, 1/16, 1/8 and 1/4
- ◎ FEC Code Rates: 1/2, 2/3, 3/4, 5/6, 7/8.

DVB-T/H Mode:

- ◎ Channel Bandwidth: 5MHz, 6MHz, 7MHz, 8MHz.
- ◎ COFDM Spectrum: 2k, 4k and 8k carriers non-hierarchical
- ◎ Standards: EN300 744V1.5.1, EN302 304
- ◎ Modulation Modes: QPSK, 16QAM and 64QAM

DVB- C Mode:

- ◎ Channel Bandwidth: 6MHz, 8MHz
- ◎ Modulation Modes: 16QAM, 32QAM, 64QAM, 128QAM, 256QAM
- ◎ Standards: EN 300 429, ITU J83 Annex A/B/C

ATSC 8-VSB Spec

- ◎ Channel Bandwidth: 6MHz.
- ◎ Standards: A/53 8-VSB

ASI Specifications:

- ◎ On Board Buffer: 16Mbytes
 - ◎ DVB-ASI I/O Connectors: 75 Ohms BNC
 - ◎ DVB-ASI Signal level: 1.0Vp-p nominal
 - ◎ DVB-ASI I/O Clock: 270 MHz
 - ◎ DVB-ASI Input return loss: 15dB.
 - ◎ DVB-ASI I/O Bit Rate: 0 to Max Mbit/s*.
- * Max Mbit/s = Maximum bit rate allowable by DVB-T/H or DVB- C or ATSC modulation.

iMod: Modulating at any where & any way!

Similar Products:



AT2780P/QT

- DVB-T/H; ATSC; QAM Modulator
- IF & RF (VHF/UHF) Output
- DVB-ASI/SPI Input
- DVB-ASI Monitor Output



AT2780U/QT

- DVB-T/H; ATSC; QAM Modulator
- IF & RF (VHF/UHF) Output
- DVB-ASI/SPI Input
- DVB-ASI Monitor Output

