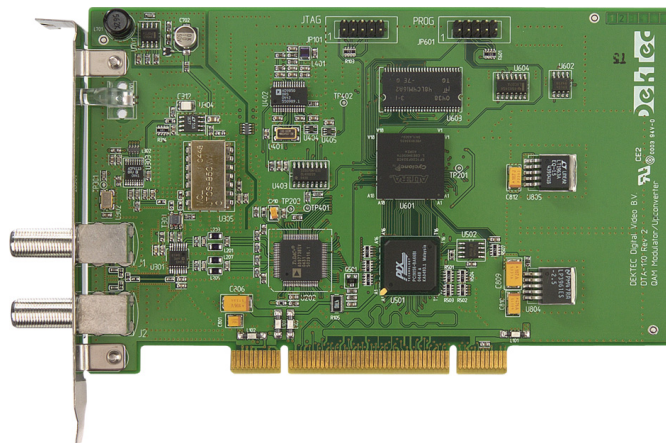


DVB-T Modulator with UHF Upconverter

FEATURES

- DVB-T modulator with full support for both DVB-T and DVB-H (EN 300 744)
- Modulation options:
 - ISDB-T with hierarchical multiplexing
 - DTMB
- 25% processor load on a P4@3GHz
- Integrated UHF Upconverter with on-board 400...862-MHz synthesiser
- RF output can be connected directly to the antenna input of an OFDM receiver
- Programming interface (DTAPI) is fully compatible with other DekTec digital-video output adapters
- PCI rev 2.2, 32 bit, 33 or 66 MHz bus
- Comes with free:
 - Windows-2000/XP/2003 device driver and Software Development Kit for developing custom applications
 - **DtLoop** software to stream packets from an input adapter to a DTA-110T-SP

- OFDM Modulator with UHF Upconverter
- Supports: DVB-T, DVB-H, QAM-A/B/C
- ISDB-T, DTMB Modulation Options



APPLICATIONS

1. With **StreamXpress** software: DVB-T, DVB-H, ISDB-T, DTMB test generator
2. With **DtLoop** as a modulator-replacement. An input adapter is used to read a transport-stream and **DtLoop** copies the stream in real-time to the DTA-110T-SP
3. RF output for your (OEM) application

KEY ATTRIBUTES (DVB-T / DVB-H)

Parameter		Value
Modulation		EN 300 744
Bandwidth		5.0...8.0 MHz
Modulation		QPSK, 16/64-QAM
Transmission Mode		2k, 4k, 8k
Convolutional Rate		1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval		1/4, 1/8, 1/16, 1/32
Useful Bit-Rate Range		0...31.7 Mbit/s
RF Output	Connector (2x)	F type, 75 Ω
	Range	400...862 MHz
	Accuracy	$\leq \pm 1$ ppm
	Step Size	100 kHz
	Output Level	-29 \pm 2 dBm
	Spectral Purity	20dB (d_2); >50dB (oth.)

NOTE: The DTA-110T-SP can also be used as standard DTA-110-SP QAM A/B/C modulator.

PC REQUIREMENTS

Platform	Windows-2000 / XP / 2003
Processor	P4@2.0 Ghz (minimum) P4@3.0 Ghz (recommended)
RAM	512 MB
Graphics	Integrated-graphics chipset may work but is better avoided

ORDERING INFORMATION

Type	Description
DTA-110T-SP	DVB-T/H Modulator/Upconverter with StreamXpress software
DTA-110T-ISDB-SP	DTA-110T-SP with DTC-370 ISDB-T modulation software
DTC-370	ISDB-T modulation software
DTC-374	DTMB modulation software

The latest pricing information and a list of DekTec resellers can be found on www.dektec.com. An OEM version of the DTA-110T is available upon request; please contact DekTec for OEM conditions.