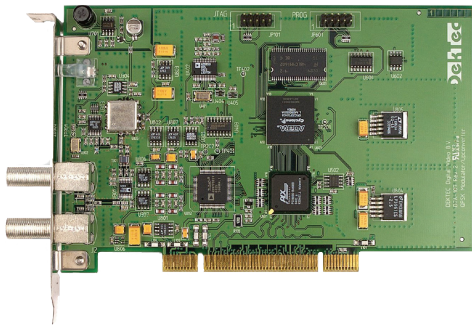


DVB-S2 Modulator with L-Band Upconverter

DekTec DTA-107S2



- Complete DVB-S2 Modulator
- L-Band Upconverter 950 to 2150 MHz
- Direct Connection to DVB-S2 receiver

KEY FEATURES

- DVB-S2 modulator compliant to ETSI EN 302 307
- Integrated L-Band upconverter with onboard 950 to 2150MHz synthesizer
- Complete broadcast services modulator with BCH encoder, LDPC encoder, bit interleaver, constellation mapper and base band shaping filter
- Supports all DVB-S2 defined code rates: 1/4, 1/3, 1/2, 2/5, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9 and 9/10
- Can be operated in DVB-S mode
- DTA-107 can be upgraded to DTA -107S2 in the field with a simple procedure
- Free Windows /Linux SDK (DTAPI) that is fully compatible with other DekTec digital video output adapters
- PCI rev 2.2, 32 bit, 33 or 66MHz bus

APPLICATIONS

- File based DVB-S2 stream generator with output upconverted to L-band
- DVB-S/S2 modulator replacement
- DVB-S2 output for your (OEM) application

KEY ATTRIBUTES

Parameter		Value
Modulation		QPSK, 8PSK
Useful bit rate range		0 to 120Mbit/s
Symbol rate	Range	1 to 45MBd
	Accuracy	$\leq \pm 25$ ppm
	Resolution	<50mBd
RF output	Connector (2x)	F type, 75 Ω
	Carrier frequency	950 to 2150MHz
	Accuracy	$\leq \pm 1$ ppm
	Roll-off factor	0.35
	Output level	-30 \pm 3dBm
	Spurious	>40dB
	Return loss	≥ 15 dB

PC REQUIREMENTS

Platform	Windows XP/2k3/Vista, Linux
Processor	P4@2.0Ghz (minimum) Core (2), Core i7 (or AMD equiv)
RAM	512MB

ORDERING INFORMATION

Type	Description
DTA-107-SP	DVB-S modulator/ upconverter with StreamXpress
DTA-107S2-SP	DVB-S2 modulator/ upconverter with StreamXpress
DTC-372-S2	DVB-S2 firmware/software upgrade option for DTA -107

Sencore is the preferred distributor of DekTec in North America.