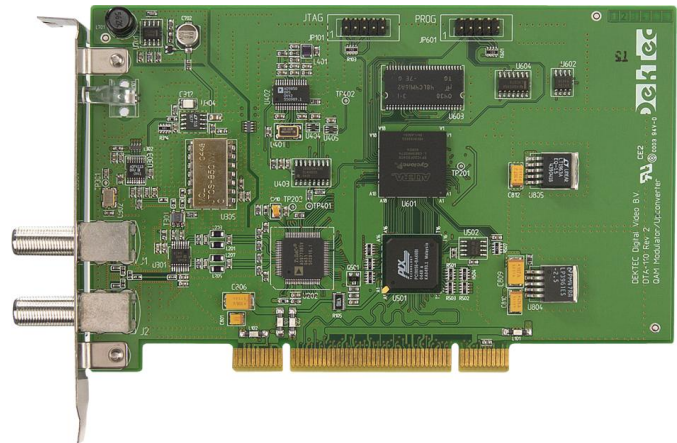


QAM A/B/C Modulator with UHF Upconverter

- ❑ Cost-Effective QAM A/B/C Modulator
- ❑ UHF Upconverter 400 .. 862 MHz
- ❑ Direct Connection to Cable Receiver

FEATURES

- QAM modulator compliant to DVB-C (EN 300 429) and ITU-T J.83 Annex A, Annex B and Annex C
- Supports 4-QAM, 16-QAM, 32-QAM, 64-QAM and 128-QAM
- 256-QAM for non-broadcast purposes
- Integrated UHF Upconverter with on-board 400 .. 862-MHz synthesiser
- RF output can be connected directly to antenna input of a digital cable 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 and Linux device driver and SDK for developing custom applications
 - *DtLoop* application to copy packets from an input adapter to the DTA-110



APPLICATIONS

1. With *StreamXpress*: 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-110
3. QAM output for your (OEM) application

KEY ATTRIBUTES

Parameter		Value
Modulation		ITU-T J.83 A/B/C EN 300 429
Useful Bit-Rate Range		0 .. 52.4Mbit/s
Symbol Rate	Range	5.0 .. 7.1MBd
	Accuracy	≤ ±25ppm
	Resolution	12mBd
RF Output	Connector (2x)	F type, 75 Ω
	Frequency Range	400 .. 862MHz
	Accuracy	≤ ±1 ppm
	Step Size	200kHz
	Output Level	-27 ±2dBm
	Spectral Purity	>50dB*
	Return Loss	≥20dB

* Except for second harmonic of carrier; d₂ suppression is 20dB or better

RELATED PRODUCTS

Type	Description
DTA-107	DVB-S Modulator
DTA-107S2	DVB-S2 Modulator
DTA-110T	QAM/DVB-T UHF Modulator
DTA-112	QAM/DVB-T VHF/UHF Modulator
DTA-115	Multi-Standard VHF/UHF Modulator
DTC-300	<i>StreamXpress</i> Player software

ORDERING INFORMATION

Type	Description
DTA-110	QAM Modulator/Upconverter (PCI)
DTA-110SP	DTA-110 with <i>StreamXpress</i>

Please refer to www.dektec.com for the latest pricing and a list of distributors and resellers.