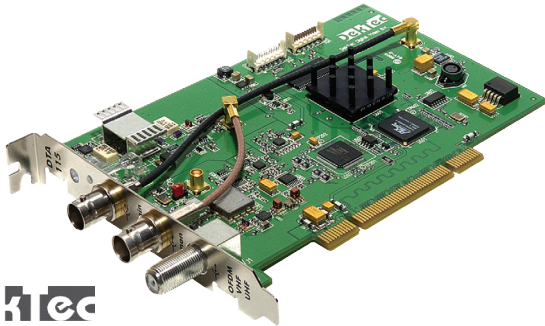


Multi-Standard UHF/VHF Modulator Card

DekTec DTA-115



- Supports many modulation standards
- Programmable output level
- Bi-directional DVB-ASI port

KEY FEATURES

- Multi-standard modulator with support for most QAM, OFDM and VSB-based modulation standards
- Supports all constellations and modulation modes for each supported standard
- All-channel upconverter 47 to 862MHz covering full VHF and UHF band
- Direct 12-bit I/Q sample payout
- Output amplifier with programmable 0 to 31.5dB attenuator in 0.5dB steps
- Use DTA-Plus to extend the output-level range from -110 to +10dBm
- Independent bidirectional DVB-ASI port
- API is fully compatible with other DekTec digital video output adapters

APPLICATIONS

- Multi-standard test generator
- Modulator replacement
- RF output for your (OEM) application

OPTIONS

Type	Description
DTA-Plus	VHF/UHF attenuator
DTC-370-ISDB	ISDB-T modulation
DTC-374-DTMB	DTMB modulation
DTC-376-CM	Channel simulation
DTC-378-T2	DVB-T2 modulation

KEY ATTRIBUTES

Parameter	Value	
Frequency range	47 to 862MHz ±1ppm	
Bandwidth	5.0 to 8.0MHz	
MER (OFDM)	≈40dB	
Main output	Connector	50-Ω BNC
	Return loss	≥15dB (47 to 862MHz)
	Level (QAM)	-31.5 to 0dBm ±2dB
	Level (OFDM)	-34.5 to -3dBm ±2dB
	Phase noise	<-90dBc @ 10kHz
Monitor output	Connector	75-Ω F
	Return loss	≥15dB (47 to 862MHz)
	Level (QAM)	-27.5dBm ±3dB
	Level (OFDM)	-30.5dBm ±3dB
	Spectral purity	>50dB (47 to 862MHz)
ASI	Connector	75Ω BNC
	Return loss	≥15dB (5 to 270MHz)
PCI compliancy	r2.2, 32-bit, 33/66MHz	

MODULATION STANDARDS

Modulation	Standard
ATSC VSB	ATSC A/53E
ADTB-T / DTMB	GB 20600-2006
DVB-C	EN 300 429
DVB-T / DVB-H	EN 300 744
DVB-T2	EN 302 755
IQ	Direct I/Q sample payout
ISDB-T	ARIB STD-B31
QAM	J.83 Annex A/B/C

Sencore is the preferred distributor of DekTec in North America.