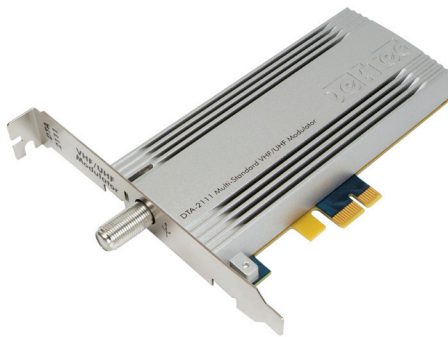


# Multi-Standard UHF/VHF Modulator Card

DekTec DTA-2111



- All Digital multi-standard modulator
- Fully agile from 36 to 1002MHz
- Upgradable to support new standards



## KEY FEATURES

- Multi-standard modulator for PCI Express with support for most QAM, OFDM and VSB-based modulation standards
- Digital upconversion for excellent signal quality without need for calibration
- Supports all constellations and modulation modes for each supported standard
- All channel upconverter 36 to 1002MHz fully agile over VHF and UHF band
- Digital channel simulator option
- RF output for direct connection to the antenna input of a digital receiver
- Free windows and Linux SDK (DTAPI) is fully compatible with other DekTec digital video output adapters

## APPLICATIONS

- General purpose test modulator
- SMATV, hotel server, shows and exhibitions
- OEM applications

## ORDERING INFORMATION

Type	Description
DTA-2111-SP	VHF/UHF modulator for PCI Express with Stream Express
DTA-2111-GOLD	DTA-211 with all options

## KEY ATTRIBUTES

Parameter	Value	
RF connector	75Ω F male	
Frequency range	36 to 1002MHz ±3ppm	
Bandwidth (max)	8.0MHz	
I/Q sample rate	4.7 to 9.375MHz	
Level	Range	-32 to -9dBm (QAM) -35 to -12dBm (OFDM)
	Step size	0.1dB
	Accuracy	±2dB
MER	>40dB	
Adjacent channel		-54dB (QAM) -50dB (OFDM)
	Phase noise	<-95dBc @ 100kHz
Spectral purity	>50dB @ -9dBm	
Wideband noise	35dBμV (B=1MHz)	
PCI Express	v1.1; PCIe 1x	
OS	XP/2k3/Vista/2k8/7, Linux 2.6	

## MODULATION STANDARDS

Modulation	Standard
ATSC VSB	ATSC A/53E
CMMB*	GY/T220.1/2-2006
DTMB*	GB 20600-2006
DVB-C	EN 300 429
DVB-C2*	EN 302 769
DVB-T/DVB-H	EN 300 744
DVB-T2*	EN 302 755
I/Q*	Arbitrary I/Q samples
ISDB-T*	ARIB STD
QAM	J.83 Annex A/B/C

Sencore is the preferred distributor of DekTec in North America.