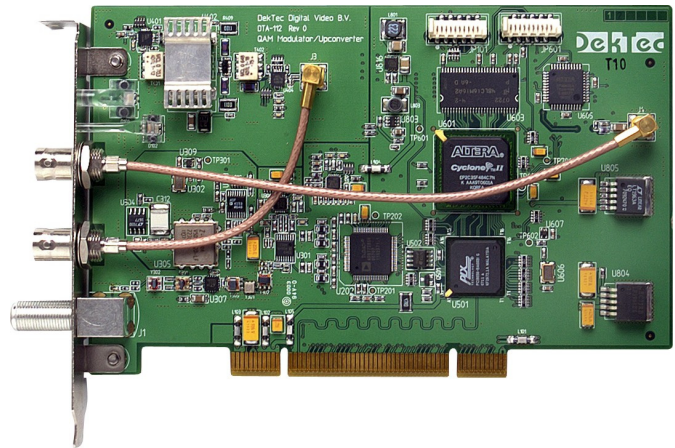


# QAM-A/B/C Modulator with VHF/UHF Upconverter

- ❑ Low-Cost QAM Version of DTA-115
- ❑ Programmable Output Level
- ❑ Bi-directional DVB-ASI Port

## FEATURES

- Supports J.83 Annex A (DVB-C), B and C
- QAM-16, QAM-32, QAM-64, QAM-128, QAM-256
- All-channel upconverter 47 .. 862MHz covering full VHF and UHF band
- Output amplifier with programmable 0 .. 31.5dB attenuator in 0.5dB steps
- Can be used with DTA-Plus to extend output-level range
- Monitor output for direct connection to the antenna input of a digital receiver
- Bi-directional DVB-ASI port
- Programming interface (DTAPI) is fully compatible with other DekTec digital-video output adapters
- PCI rev 2.2, 32 bit, 33 or 66 MHz bus



## APPLICATIONS

1. QAM test generator
2. QAM output for your (OEM) application, e.g. hotel server
3. Repair of QAM set tops

## KEY ATTRIBUTES

Parameter		Value
Modulation		J.83 Annex A/B/C
Frequency Range		47 .. 862MHz ±1ppm
Bandwidth		5.0 .. 8.0MHz
MER		≈40 dB
Main Output	Connector	75-Ω BNC
	Return Loss	≥15dB (47 .. 862MHz)
	Level	-31.5 .. 0dBm ±2dB
	Phase Noise	<-90dBc @ 10kHz
	Spectral Purity	>50dB (47 .. 862MHz)
Monitor Output	Connector	75-Ω F
	Return Loss	≥15dB (47 .. 862MHz)
	Level	-27.5dBm ±3dB
DVB-ASI	Connector	75-Ω BNC
	Return Loss	≥15dB (5 .. 270MHz)

## RELATED PRODUCTS

Modulation	Standard
DTA-115	Multi-Standard Modulator with VHF/UHF upconverter
DTA-Plus	VHF/UHF Attenuator for DTA-115 (works with DTA-112, too)

## ORDERING INFORMATION

Type	Description
DTA-112-SP	QAM-A/B/C VHF/UHF Modulator with <i>StreamXpress</i>

The latest pricing information and a list of DekTec resellers can be found on [www.dektec.com](http://www.dektec.com). An OEM version of the DTA-112 is available upon request; please contact DekTec for OEM conditions.