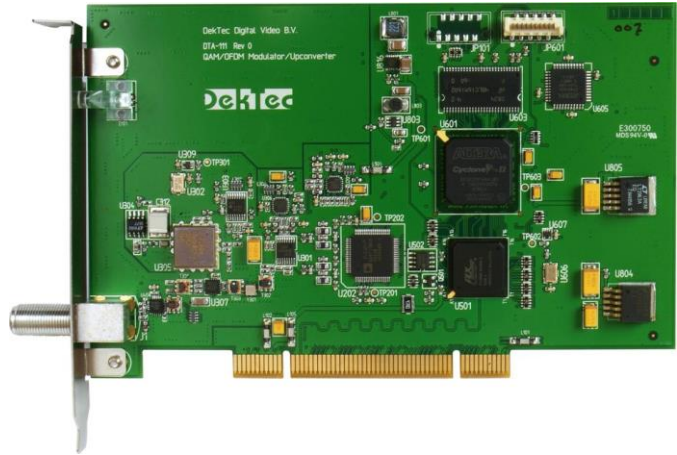


Multi-Standard Modulator with VHF/UHF Upconverter

- ❑ Low-cost multi-standard modulator
- ❑ Fixed output level
- ❑ Upgradable to support new standards

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 .. 862MHz fully agile over VHF and UHF band
- Fixed output level of -15.0dBm for QAM and -18.0dBm for OFDM
- RF output for direct connection to the antenna input of a digital receiver
- Programming interface (DTAPI) is fully compatible with other DekTec digital-video output adapters
- PCI rev 2.2, 32 bit, 33 or 66MHz bus



APPLICATIONS

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

KEY ATTRIBUTES

| Parameter | Value |
|-----------------|---------------------------------------|
| Frequency range | 47 .. 862MHz ±1ppm |
| Bandwidth | 5.0 .. 8.0MHz |
| MER (OFDM) | ≈38dB (QAM) ≈40dB (OFDM) |
| Connector | 75-Ω F |
| Return loss | ≥15dB (47 .. 862MHz) |
| Level (QAM) | -15dBm (+34dBmV) |
| Level (OFDM) | -18dBm (+31dBmV) |
| Phase noise | < -90dBc @ 10kHz |
| Spectral purity | >50dB (47 .. 862MHz) >90dB (muted) |
| PCI compliancy | r2.2, 32-bit, 33/66MHz |
| OS | XP/2k3/Vista/2k8/7 Linux 2.6 |

MODULATION STANDARDS

| Modulation | Standard |
|---------------|-------------------|
| ATSC VSB | ATSC A/53E |
| CMMB* | GY/T 220.1/2-2006 |
| 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 |
| ISDB-T* | ARIB STD-B31 |
| QAM | J.83 Annex A/B/C |

* Option

ORDERING INFORMATION

| Type | Description |
|------------|--|
| DTA-111-SP | VHF/UHF modulator with <i>StreamXpress</i> |

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