

## HD DVB-T/C Encoder/ Modulator ABI-MD3004SCT

- ✓ 4x HDMI full-HD video/audio input
- ✓ Integrated H.264 Encoder and DVB-T / DVB-C Modulator
- ✓ Programmable via user-friendly PC-software with GUI
- ✓ Works with any RF coax, fiber or TVoTP wideband amplifier/distribution network
- ✓ Very economic
- ✓ Plug-and-play robust alternative to HDMI extenders
- ✓ Building block for TV head-end
- ✓ Building block for Multisource Multiroom HD system
- ✓ Digital Signage, Hospitality, Residential, Public spaces



ABI-MD3004SCT is an integrated 4-source encoder/modulator that converts up to 4 Full-HD HDMI video/audio signals (from xDSL SetTopBox, Satellite receiver, Media player, PC, Blue-ray player, HD camera,...) to a DVB-T or DVB-C VHF or UHF signal, that can be received by any DVB-T or DVB-C compliant HD-SetTopBox or HD-TV tuner.

The device can be deployed in both private and professional environments:

- Send HD pictures and video in sports bars, fitness centres, stores, hotel lobby, travel station, waiting room,...
- Build a compact TV head-end for hotels, hospitality, trading rooms,...
- Create a reliable and flexible HD Multisource Multiroom residential distribution system
- Digital Signage

The small size allows easy integration into shallow enclosures, overhead plenum, furniture, switchboard panels. Units can be combined to create more channels.

### CHARACTERISTICS

#### Input signals

- Feedthrough VHF-UHF: RF 50-862MHz on F female connector
- Video & Audio inputs: 4x HDMI on 4 HDMI Type A female connectors

#### Encoder

- Video resolution: 720p, 1080i, 1080p@30Hz
- Video compression: H.264/MPEG-4 AVC
- Audio compression: MPEG-1 L2 (ISO/IEC 11172-3), AAC-LC
- Configurable: Programm name, SID, NID, LCN, EIT

#### DVB-T Modulation (ETSI EN 300744)

- Number of carriers: 2K/8K
- Guard interval: 1/4, 1/8, 1/16, 1/32
- Code rate: 1/2, 2/3, 3/4, 5/6, 7/8
- Constellation: QPSK / 16, 64 QAM
- Frequency range: 170MHz to 230MHz and 470MHz to 862MHz

#### DVB-C Modulation (ETSI EN 300429)

- Constellation: 16, 32, 64, 128, 256QAM
- Frequency range: 50MHz to 862MHz

#### Output

- Modulated signal: On two adjacent VHF or UHF channels
- Output level: 75 tot 95 dB $\mu$ V
- Channel bandwidth: 6-8MHz
- MER: better than 35dB

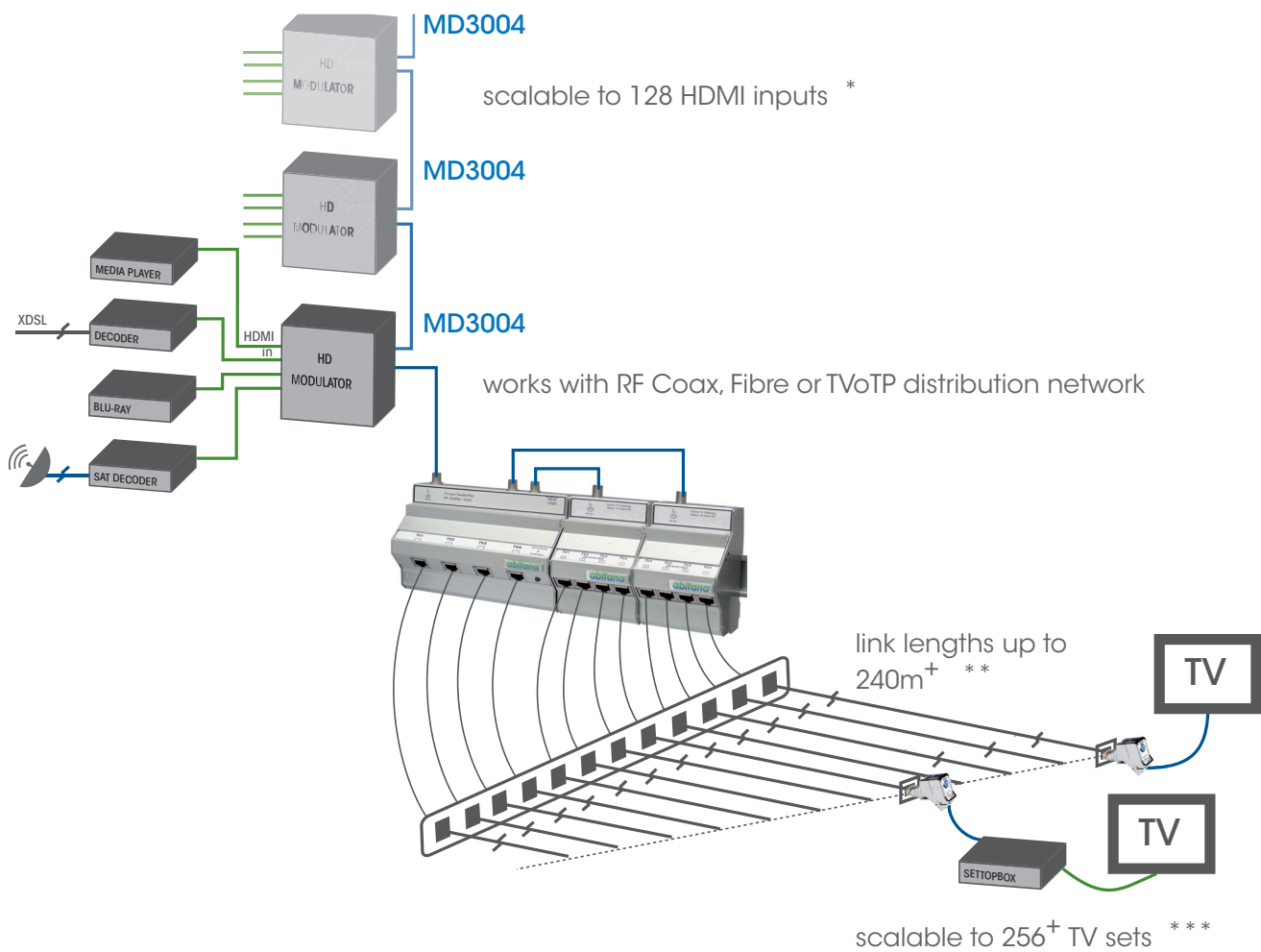
#### Dimensions

- WxHxD(mm): 250x200x38
- Weight: 0,6kg

#### Power supply

- 5VDC, 17W
- 100-264VAC 50-60Hz adapter included

## APPLICATION EXAMPLE



- \* depends on infrastructure bandwidth
- \*\* depends on cabling technology used
- \*\*\* depends on cabling attenuation