

## HD DVB-T Encoder/ Modulator ABI-MD3001S0T

- ✓ 1x HDMI full-HD video/audio input
- ✓ Integrated H.264 Encoder and DVB-T Modulator
- ✓ Front-panel programmable operation
- ✓ 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-MD3001S0T is an integrated encoder/modulator that converts a Full-HD HDMI video/audio signal (from an xDSL SetTopBox, Satellite receiver, Media player, PC, Blue-ray player, HD camera,...) to a DVB-T VHF or UHF signal, that can be received by any DVB-T 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 Multiroom residential distribution system

The small size allows easy integration into shallow enclosures, overhead plenum, furniture, switchboard panels.

### CHARACTERISTICS

#### Input signals

- Feedthrough VHF-UHF: RF 50-862MHz on F female connector
- Video & Audio input: 1x HDMI on HDMI Type A female connector

#### Encoder

- Video resolution: up to 1080p@30Hz
- Video compression: H.264/MPEG-4 AVC
- Audio compression: MPEG-1 L2 (ISO/IEC 11172-3)
- PID setting: PMT/Video/Audio/PCR
- PSI: NID/ONID/P.D.S./TS ID

#### 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

#### Output signal

- Frequency range: 170MHz to 230MHz and 470MHz to 862MHz
- Output level: 75 to 90 dBμV
- Channel bandwidth: 6-8MHz
- MER: better than 36dB

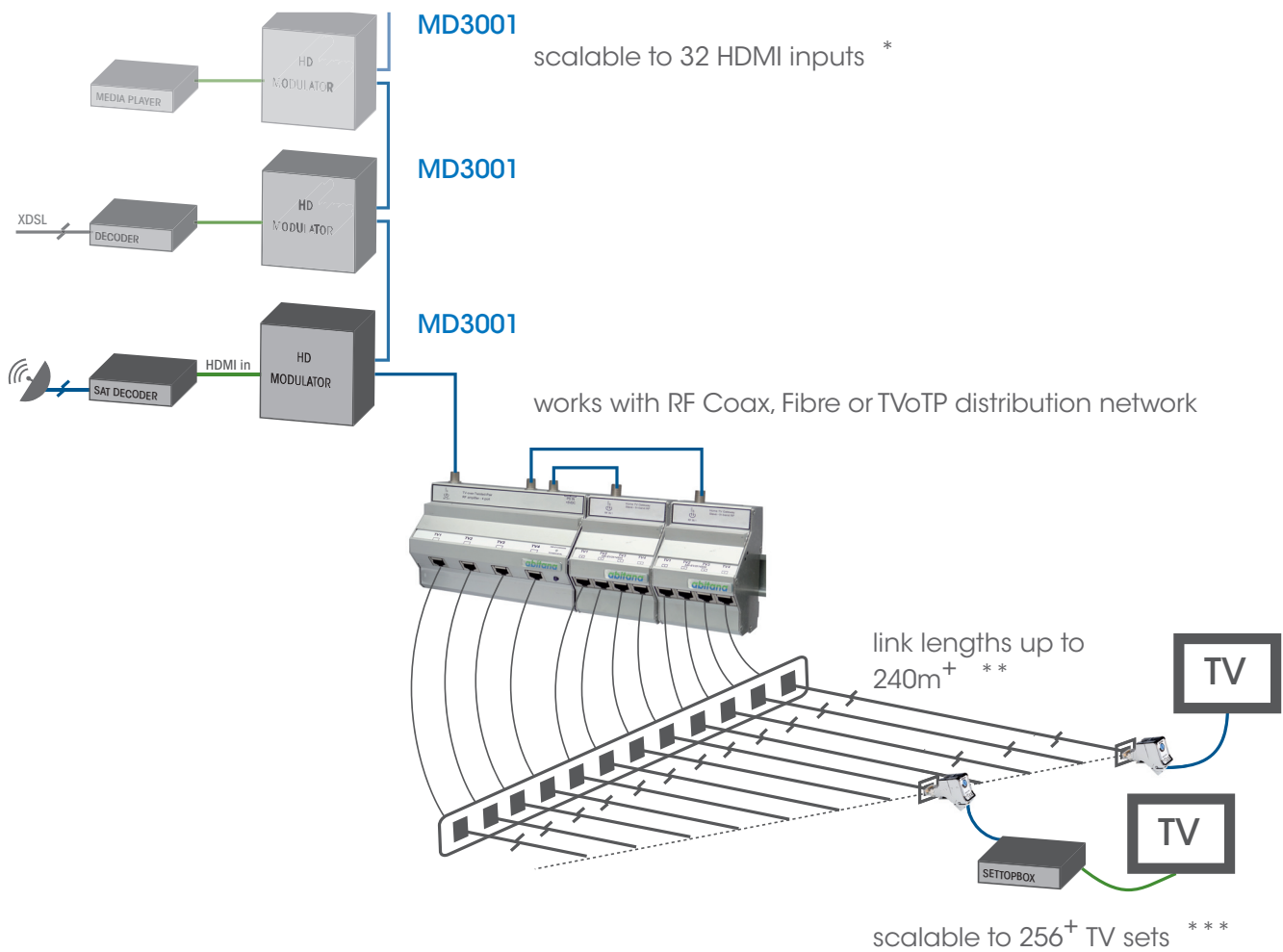
#### Dimensions

- WxHxD(mm): 150x150x37
- Weight: 0,5kg

#### Power supply

- 12VDC, 8W
- 100-264VAC 50-60Hz adapter included

## APPLICATION EXAMPLE



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