

VeCOAX-7X

Full HD Video Distribution made EASY



Turn Your HD Signals into a real digital RF

and broadcast to all of your HD TVs via the antenna coax cable

- ✓ *HDMI Video inputs up to 1080P Full HD*
- ✓ *1 or 2 HDMI inputs for multi channels operations*
- ✓ *Easy HD distribution to all TVs via the Antenna Coax Cable*
- ✓ *RF out for DVB-T – DVB-C – Clear QAM – ISDB-T*
- ✓ *Also IPTV output and ASI Remux + ASI out*
- ✓ ***DUAL Channel, with Breakthrough Price !***



Enjoy TRUE FULL-HD Quality Everywhere



Rear panel picture is for reference only and might change without notice depending from selected model and options. Rack Version looks different

The VeCOAX-TX : converts your HDMI HD Video signals to DVB-T / DVB-C and broadcast on antenna coax to any HD TVs

Why VeCoax-TX is the solution ?

VeCOAX-TX is a simple and reliable cost-effective solution to distribute Quality Full-HD Video to unlimited standard HD Televisions without requiring any special adapter on each TV nor rewiring with new cables, but using the standard antenna coax cable.

Simple Distribution via the Antenna Cable

Based on the DVB-T/C Broadcasting technology, the VeCoax-TX converts your HDMI, DVI Video Signals into a real DVB-T or DVB-C QAM digital TV frequency you can inject straight to the local antenna wall-mount socket, so all the TVs connected to the same coax cable will receive it as it would be just another standard DVB HD program.

HDMI Inputs for the BEST FULL HD PICTURE QUALITY

VeCOAX-TX does not compromise with your quality of picture, thanks to its broadcast-grade processor that captures and distribute your Full-HD contents with almost no-delay and no flaws, perfect on Sports, High Motion Video, Text Crawls in Digital Signage, and any other content.

Multiple Programs

VeCOAX-TX RF output can be set to any VHF or UHF channel, with selectable world-wide standards, coexisting with any other RF and channels already on the same Coax.

Multiple units can be used to broadcast up to the wanted number of HDTV programs through the same Coax Cable to all your TVs.

Connects to any Video Source

VeCOAX-TX can be connected to any HDMI or DVI full HD video source, compatible to any Player, Satellite and Cable HDTV set top box, DVI and HDMI computer output, USB Media Player, HD CCTV camera system, Home & Building Automations, and any other similar video device.

HDMI inputs makes this converter suitable for pro applications where perfectness of HD Picture Quality is most wanted.

Easy Setup and Control

VeCOAX-TX can be totally controlled via the local Display and Keyboard without the need to connect a PC.

Remote Control is also possible via the standard IP LAN network.

At a Galance

- ✓ HDMI Full-HD Inputs
- ✓ 1080p / 1080i / 720p
- ✓ DVB-T / DVB-C / QAM / ATSC / ISDBT RF Output
- ✓ Control via LCD/Keyboard
- ✓ Also Remote Control via PC
- ✓ Desktop & Rack-Mount
- ✓ Cool & Silent operation
- ✓ Professional Connectors
- ✓ Perfect and Clean picture on High Motion Video, Sport, Text Crawls, etc.
- ✓ VHF/UHF world-standards compatible
- ✓ Multiple Channels on the same Coax
- ✓ Infrared Remote Control Repeater (option)



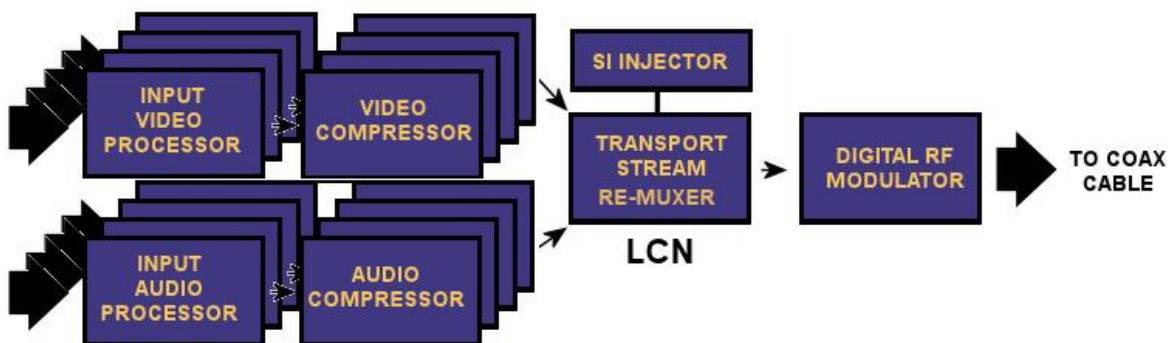
Total Quality, Never been so simple



BLOCK DIAGRAM



HDMI HD INPUTS :
Stereo/Surround Audio



Save on Cables & Adapters

VeCOAX-TX does not need any additional set top box, nor adapters, extra cables and power supplies on each TV in every room, since it distributes your Full HD Video via the common antenna cable. You'll be able to switch between your new HD channels and any other standard received channel just using the original TV remote control.

TRUE HD - Home Entertainment

VeCOAX-TX is the perfect AFFORDABLE HD Video distribution solution for any Home Entertainment system, connecting any Home-Video Master system to all the other TVs in each room without the need to duplicate the AV equipment. The IR option allows infrared remote control feedback from any room to the master AV system via the same Coax Cable.



Hotel TV

VeCOAX-TX is the ideal choice to create unlimited HDTV channels in any Hotel and distribute to common TVs in every room via the Coax Cable. Digital Signage, Info Channels, Meeting channels, and any other video taken from any HD Video source.



Sport Bars & Casinos

VeCOAX-TX is the perfect solution for quality distribution to HDTV screens in Sport Bars, Restaurants, Casinos



And any other..

Campus, Schools, Hospitals, Cruise Liners, Boats, Stages, Airports, Metro, Corporates, and yours..

Benefits

- ✓ No Needs for any new cables Works on the existing antenna coax cables to all your TVs in every Room
- ✓ Save on adapters on each TV since it does not need anything but the TV.
- ✓ Add as Many TVs you need by just connecting it to the antenna coax cable.
- ✓ **HDMI input provides the ultimate Deep Colors HD Quality and far better overall picture definition than analog HD Component.**
- ✓ Use more units to inject multiple HD Video to the coax cable, also from different rooms/injection points
- ✓ Use the original TV remote control – no need for any additional remote control

Compatible to Everything



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Video Input

HDMI

- HDMI 1.4 Full HD Input
36-bit color depth
1080p/1080i / 720P Resolutions
59,94 / 50 Frames/Fields
- HDMI Audio Stereo/Surround
- Number of inputs depends by model

Computer DVI

- DVI Digital via DVI-HDMI Cable
- VGA/XGA/SXGA/WSXGA/UXGA
- 59,94 / 50 Frames/Fields
- Audio requires hdmi embedder box

Audio Input

FROM HDMI

- HDMI Audio Stereo/Surround

FROM OTHER SOURCES

- We can provide you choice of optional additional audio to HDMI embedders so you can feed the VeCOAX-TX with any audio signal you might have if it is not already included in the HDMI transport

Video Encoders

Video Encoding profiles

- Mpeg-4 H.264 AVC
- HD HP@L4 High Profile @ Level 4.0
- MPEG-2 HD Low Delay optional
1920x1080p, 1920x1080i, 1280x720p
- RF Out follows encoding settings
- Number of simultaneous encoders depends from the model

Compression Modes (per each channel)

- Broadcast-Quality Hierarchical motion estimation
- VBR Statistical Multiplexing
- Also CBR Mode
- 0.3 Mbps to 20 Mbps
- User defined Program Name, Service Provider, and other PSI information
- User defined PIDs
- LCN Logical Channel Numbering to autostore on TVs to target presets

Audio Encoder

Audio Encoding profiles

- Mpeg-1 Layer II – All Modes
- Surround pass-through

RF Modulator Out

DVB-T Version

- DVB-T Standard DVB ET300429
- HD Broadcast 1080i /720P
- Frequency range:
VHF 177.5-226.5 MHz
UHF 474 – 858 MHz
- Channel Bandwidth : 7/8 Mhz
- RF Out Level: Adjustable
from 91dBuV to 61dBuV
- Impedance : 75 Ohm (50 opt.)
- MER: Professional-Grade >45 dB
- Spectrum Shoulders: 55 dB for perfect adjacent-channel operations
- Out Filter: -70 dB of Harmonic and spurious suppression
- DVB-T modulations: QPSK, 16QAM, 64QAM
- FFT: 2K / 8K mode
- Guard Intervals: 1/4, 1/8, 1/16, 1/32
- Code Rates: 1/2, 2/3, 3/4, 5/6, 7/8

DVB-C / QAM Version

- DVB-C Standard DVB ET300429
- Frequency range:
47 – 862 MHz
(channel 2-141)
- RF IN – built-in Mixer
- RF Out Level: Adj. from 85dBuV to 102dBuV
- Impedance : 75 Ohm (50 opt.)
- Spectrum Shoulders: 55 dB for excellent adjacent-channel operations
- Out Filter: -70 dB of Harmonic and spurious suppression
- 1 to 74990 Ms/s
- - ITU-T J.83 B (USA)
- - 64 QAM / 256 QAM
- - ITU-T J.83 A/C (Europe/Japan)
- - 16/32/64/128/256 QAM

Control

Full Local Control/Setup

- Instant Access to all fetures from the local Keyboard and Large Display, without the need for a PC.

Remote Control

- Via standard Web Browser from any PC, with security Login.

Physical and Power

Power - 90 to 240 VAC 50/60 Hz - 18 Watts

Cooling - Almost Cold and quiet operation
internal fan side to side flow

MTBF - 40,000 Hours 24/7 non-stop

Dimensions 490x300x44.5 millimeters
(19.2 x 11.9 x 1.75 inches)

Weight - 6,5 Kilograms (14,3 lbs)

Operating Temperature

-10°C to 50°C (14°F to 122°F)

Relative Operating Humidity

10% to 90% (Non-condensing)

Compliance

EN55022, EN61000-3-210, EN61000-3-310,
EN55024, CISPR22, EN60950-1, IEC60950-1
UL60950-1, UL60065, FCC Class B
Warranty - 1 Year Standard / 3 yrs Extended

Ordering Information

For DVB-T HD TVs – World Wide

1. **VeCOAX-TXT-HD** Single Channel
2. **VeCOAX-TXT-2HD** Dual Channels
3. **VeCOAX-TXT-HDSD** Simulcast of
1 HD Mpeg-4 + 1 SD Mpeg-2

For DVB-C / QAM HD TVs – World Wide

4. **VeCOAX-TXC-HD** Single Channel
5. **VeCOAX-TXC-2HD** Dual Channels
6. **VeCOAX-TXC-HDSD** Simulcast of
1 HD Mpeg-4 + 1 SD Mpeg-2

OTHER VERSIONS :

3G-HDSDI version: add -SDI on model code

ATSC version : VeCOAX-TXA-

ISDBT version: VeCOAX-TXI

Rack Version: Standard

Desktop Version: add -DT

