

# VeCOAX-T4 SD

SD Multi-Video Distribution made EASY



**Turn Four Videos into a real digital RF**  
and broadcast to all of your DVB-T TVs via the antenna coax cable

- ✓ **FOUR PROGRAMS** - 4 Video Inputs – Surround/Stereo Audios
- ✓ **DVB-T output** for Antenna Coax distribution
- ✓ **Also IPTV Streaming output** for LAN & WIFI distribution
- ✓ **Also ASI Input** for external programs to mux
- ✓ **Also LAN Remote Control** also via internet via Incl. soft.
- ✓ **AND Lowest Cost per channel - Breakthrough Price !**



# Better Professional SD Picture Quality



The VeCOAX T4SD : convert FOUR CVBS SD Videos into DVB-T for broadcast over coax to unlimited standard DVBT TVs

## Why VeCoax-T4SD is the Right Choice ?

*VeCOAX-T4SD is the perfect, final and affordable solution to distribute FULL QUALITY Multi-Video to unlimited standard DVB-T 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 Broadcasting technology, the VeCoax-T4 converts FOUR independent COMPOSITE SD videos and stereo or surround sound into a real DVBT digital terrestrial 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 FOUR standard DVB-T programs. Each Video input is independent and can operate at the same or different resolution from the others.

### PROFESSIONAL VIDEO QUALITY on all your HD TVs

VeCOAX-T4SD does not compromise with your quality of picture, thanks to its broadcast-grade VIDEO Pre-Processors, Noise Reductors, Time Base Correctors and Triple Pass Encoding processors that captures and distribute your SD 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-T4SD 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-T4SD is compatible to any BluRay Disk Player, DVD Player, Satellite and Cable set top box, computer Video outputs, USB Media Player, CCTV camera system, Home & Building Automations, and any other device with SD Audio/Video Outputs.

### Easy Setup and Control

VeCOAX-T4SD 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 through the included management software.

## At a Balance

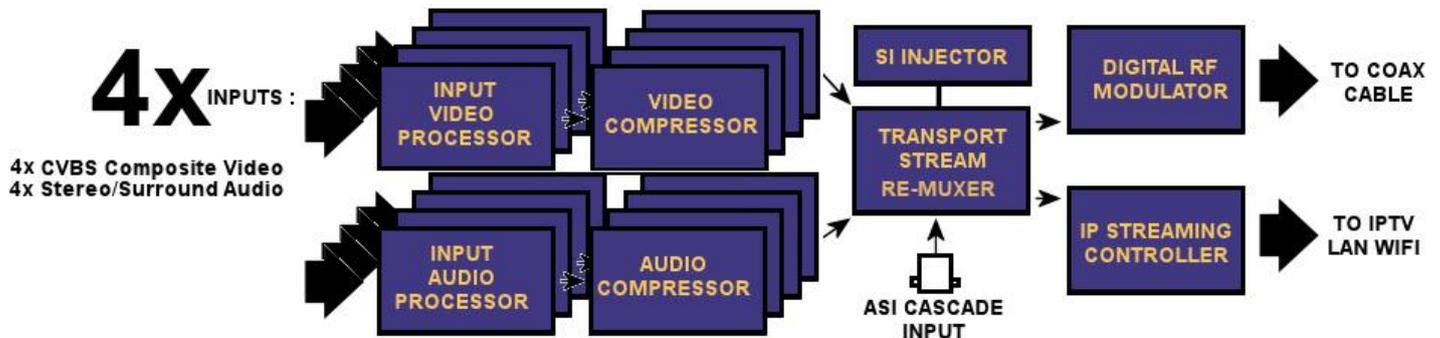
- ✓ **FOUR** Video CVBS Inputs
- ✓ **DVB-T RF Output**
- ✓ **Also IPTV Output**
- ✓ **Control via LCD/Keyboard**
- ✓ **Also Remote Control via PC**
- ✓ **Desktop & Rack-Mount**
- ✓ **Cool & Silent operation**
- ✓ **Professional Connectors**
- ✓ **Perfect and Clean picture on High Motion Video, Sport, 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



## Save on Cables & Adapters

*VeCOAX-T4SD 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 QUALITY Video via the common antenna cable.*

*You'll be able to switch between your new channels and any other standard received channel just using the original TV remote control. Each room – just the TV – Clean, Easy, HD.*

### Home Entertainment

VeCOAX-T4SD is the PERFECT VIDEO QUALITY 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-T4SD is the ideal choice to create unlimited SDTV 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 / SD Video source.



### Sport Bars & Casinos

VeCOAX-T4SD is the perfect solution for quality distribution to TV screens in Sport Bars, Restaurants, Casinos



### And any other..

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

## Benefits

- ✓ **FOUR CHANNELS**
- ✓ **PROFESSIONAL PICTURE QUALITY PROCESSING**  
excellent results on Flat TVs!
- ✓ **ALSO IPTV STREAMING OUT**  
for wifi and lan simulcast
- ✓ **ANY INSTALLATION**  
DeskTop, RackMount, WallMount
- ✓ **WORKS WITH ANY DVB-T TV**  
new and old World-Wide
- ✓ **EASY DISTRIBUTION**  
through the existing antenna coax cable
- ✓ **COLD, QUIET, RELIABLE**  
for 24/7 Non-Stop operations
- ✓ **ALL IN ONE BOX**  
for easy and quick installation and setup, and less cables
- ✓ **ASI MUX INPUT**  
add external programs to the DVB-T and IP outs
- ✓ **LOWEST COST PER CHANNEL**  
and No Compromises!

# Compatible to Everything



## Video Inputs

### Composite CVBS

- 4x SD Analog input
- 1x BNC 75 Ohm Connector
- CVBS 0 – 0.7V
- 576i ( Pal ), 480i ( NTSC )

## Audio Inputs

### Unbalanced RCA

- Stereo L/R unbalanced RCA

## Video Encoders

### Simultaneous SD Encoding

- FOUR independent / simultaneous encoders, Full Frame, Full Quality, Full Resolutions.
- Each Encoding channel can be set to the wanted parameters independently from the others

### Video Encoding profiles per each channel

- Mpeg-2 SD MP@ML
- PAL 720x576i, 704x576, 640x576 320x288, 176x288, 176x144
- NTSC 720x480, 544x480, 352x480 320x240, 176x240, 176x120
- RF Out follows the sum of the encoding settings

### Compression Modes per each channel

- Broadcast-Quality Hierarchical motion estimation
- VBR Statistical Multiplexing
- Also CBR Mode
- 0.3 Mbps to 20 Mbps
- Programmable Low Delay 100 -400 msec
- Programmable GOP
- User defined Program Name, Service Provider, and other PSI information

## Audio Encoders

### Simultaneous Audio Encoding

- FOUR independent / simultaneous audio encoders, one per each Video input

### Audio Encoding profiles per each channel

- Mpeg-1 Layer II – All Modes
- AAC-LC AAC-HE ( option )
- Surround pass-through

## ASI input & Remuxing

### ASI input

- 1x ASI Burst/Byte 188/204 Transport Stream Input
- Accepts any MPTS ( multi program transport stream ) or SPTS ( single program transport stream )
- Rates up to 214 Mbit/s

### Remultiplexing

- Decoding of the Services information from the ASI input
- Ability to “ REMUX “ selected DVB services ( programs ) from the ASI input to the ASI/IP/RF outputs, together with the FOUR generated New programs from the 4 CVBS in.
- Complete management of PIDs, Service provider/s, Service Names, manual or automatic PIDs remapping or pass-through, PCR correction, EMM/ECM cas and DSMCC PIDs and descriptors pass-through, etc.
- Full Remultiplexer features are completely controlled by using our NMS Software ( included ) on any PC

## RF Modulator Out

### Modulation Standard

- DVB-T Standard DVB ET300429
- 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
- 2x ASI Monitoring Outputs

## IPTV Out

### IP Streaming out

- MPTS IP Streaming out
- Simultaneous to RF out
- Ideal for Wifi and Lan Simulcast
- UDP Multicast with full IGMP support
- Unicast up to 90 Mbit/s of requests.
- Complete config of network param.
- Compatible with any IP Set Top Box, Video player software, VLC, etc.

## Control

### Full Local Control/Setup

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

### Pro Remote Control

- The system comes with a full-featured Network Management Software, to control unlimited units from remote PCs via common IP connection and SNMP protocol.

## Physical and Power

**Power** - 90 to 240 VAC 50/60 Hz - 28 Watts

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

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

**Dimensions** 490x455x44.5 millimeters (19.2 x 17.9 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)

**Mounting** - Rack Mount via provided brackets Desktop via provided Rubber Feet

**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

**VeCOAX-T4SD rackmount**  
**VeCOAX-T4SD DT desktop**

