



2 video channels High Definition Digital RF Modulator



The **VeCOAX PRO2 HD** is **The #1 Best HD Quality & Price solution** to distribute HD video signals to an unlimited number of HD Televisions over the existing Coax Cables, ideal replacement for old analog modulators and perfect alternative to much more complex matrix and extenders.

The PRO2 converts Two HD High Definition Video Signals into Digital RF TV Channels you can inject directly to the coaxial cabling and receive on any Digital HD TV as regular HD stations on the channel list.

The VeCOAX HD Video Quality is The Best On the Market, Crystal Clear, Perfect on smallest details & graphics, Same as the original, up to 1080P Real FULL HD resolution already supported by the main sports and entertainment channels as well by your televisions and all playback devices, with full digital Sound and Picture.

Multiple units also of different models can be connected together at any time to expand the number of channels as you need.

The IPTV SPTS simultaneous streaming output is available as option to watch all programs also over wifi and lan on tablets, computers, mobile devices.

The VeCOAX PRO2 installs in Minutes, Easy, just connect your Video Sources and the Coax out, and comes standard with all the accessories including all the HD Video Cables.

ProVideoInstruments Digital Modulators are deployed in thousands of installations such as Private Homes, Entertainment Systems, Security Systems, Hotels, Gyms, Sports Bars, YMCAs, Corporate Centers, Casinos, Academia, Cruise Liners, Luxury Yachts, Stadiums, Hospitals, Digital Signage, Assisted Living, RVs, Houses of Worship, Fitness Centers and more.

Professional Construction with 5 Years warranty - Made In USA



Made in USA

Key Benefits



Converts Your HD Video Signals to Digital TV RF Channels - Watch on ALL TVs via the existing Coax



#1 BEST HD Video Quality & Price on the Market - Broadcast-Grade - Real FULL HD up to 1080P @60 F/s



Hi-Performance Video Processing - Real Time distribution to All Your TVs with Perfect Vision and Control

Application Example

VeCOAX HD/SD Video Distribution to HD TVs over Coax



Main Specifications

Operation

- Connect the Input Video Sources: Connect all your HDMI or Component or CVBS HD/SD video sources, up to 1080p Full HD
- Set Output Channels: Set the Channel Numbers as you need them to list on your Televisions
- Connect your Coax: Connect our Coax output directly to your coax distribution splitter to all your TVs
- Scan Your TVs: Find your new channels on all your TVs, added to the channel list as you need
- Quick Start Guide: Easy Setup in minutes through the included quick start guide - WEB Browser or Front Panel

Remote Support We offer unlimited Free Tech support to help you to setup your system in minutes

Video

HD Video Quality One MPEG Encoding Chip per Each Input - The Very Best HD Quality up to 1080p FULL HD

Picture Details Quality Master-Quality, Broadcast-Grade, outstanding small details & Perfect Motion on Sports

Video Inputs 2X HD/SD Audio-Video Inputs, selectable HDMI / COMPONENT / CVBS & digital/analog audio

Input Resolution Auto-Detect - Up to 1080p FULL HD and full motion @ 60 Frames Per seconds

VGA input Yes - Connects VGA and L/R audio via optional cable adapter scaler to the HDMI Inputs

DVI input Yes - Connect directly any DVI video and L/R audio to the HDMI Inputs

Bonus Channels Yes - Inject up to 4 additional channels from ASI input via common TS media players / USB

Closed Caption / TXT Yes - all formats

Encoding Modes All Modes - MPEG2 / MPEG4 H264 selectable by software per each channel up to 1080i/p

ATSC 2.0 1080p Already Compatible with the Newest MPEG4 H264 ATSC 2.0 American Standard up to 1080p

Encoding Latency Broadcast-Grade ultra low delay mode - Real Time Encoding and Distribution over coax

Encoding Bitrates User selectable From 0.5 to 30 Megabits/s per channel - VBR/CBR Stat Mux

Encoding Quality Broadcast-Grade TRIPLE-PASS Motion Estimation with CRYSTAL-VIEW Technology

Encoding Control Video Bitrate, CBR/VBR, Ultra fast encoding modes, 1080P mpeg2 mode

Audio

Audio Inputs	2X software selectable between HDMI digital Embedded or L/R Analog
Audio Format	All Modes as well Digital Multi-channel pass-through
Audio / Video pair	Each Video Input can use either Digital or L/R analog audio in (select by software)
Analog Audio with Digital Video	Yes - can input analog Audio from the L/R ports and combine with the Digital Video Input

Coaxial Output

Standard	Available: USA QAM CABLE - USA ATSC OFF AIR - DVBT/T2 - DVBC/C2 - ISDBTb - DMB-T
Mer Quality	Very High Quality Mer of 45dB+ the best reception on all TVs over any existing Coax Cables
Spectrum Quality	Totally Digital DDS spectrum for perfect operation on any coax, also adjacent to other channels
Change Standard	Output Standard can also be changed on site via software and USB cable
Channel Numbers	Can be set to Any Channel - (Full Band 30-950 MegaHertz) any bandwidth
Output Level	Full HeadHend RF level out +45 dB millivolts - Directly drives splitters and long Coax Cables
Coax Distribution	Distributes channels over any existing coax cable system to an unlimited number of Digital Televisions
RF Carriers	Multi Channel Mode (one channel out per each video in xx.1 yy.1 zz.1) or Mux Mode (All Programs in one Channel with sub channels as xx.1 xx.2 xx.3) Each mode is selectable by software
USA QAM Digital Cable Model	American Cable Standard - All Modes supported, including 64QAM and 256QAM
USA ATSC OFF AIR Digital TV Model	American Digital OFF-AIR Standard - All Modes supported
DVB-C Cable Model	All DVB-C Modes supported, as well all world-wide standards J.83A + J.83B + J.83C + J.83D

DVB-T/T2 Model	All World-Wide Modes Supported - 6 / 7 / 8 Mhz Bandwidth - South America / NZ / AU / EU
ISDB-Tb Model	Brazilian Digital Terrestrial Standard - All Modes supported
DMB-T Model	Chinese Digital Terrestrial Standard - All Modes supported
PSI / PSIP / NIT / EIT / VCT ..	All Supported

IPTV Output

IP Streaming Out	Yes - 1x Gigabit IPTV streaming output port
Number & Type of Streams	2x selectable RTP/UDP SPTS Single Program Transport Streams, IGMP, Multicast/Unicast
Average Bitrate Per Stream	14 Megabit/s in MPEG2 mode - 3.5 Megabit/s in MPEG4 H264 In 1080p format
Multicast Broadcast Mode	Yes -1 stream (1 time the bitrate) can serve an unlimited number of ip video players
Play on Any IP Device	Compatible to any IP Video player Software, IPTV set top Boxes, PCs, Tablets, Phones, IP TVs
Play on AirPlay / DNLA	Yes, Requires our WIFI access point server - plays directly from Safari, Apple TV3, WIFI TVs

EAS

EAS GPI Port	Optional - IP command control module with dry contacts inputs or SNMP
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Control

Front Panel	Easy Setup & Control through display and panel keyboard - Clear Led Status Indicators visible anywhere
WEB Remote Control	Integrated WEB interface to login and remote control from anywhere
SNMP Remote Control	SNMP control via standard MIB file driver - compatible to any NMS SNMP software
Interface	Dedicated RJ45 100 Base-T Ethernet Network Port

Channels Expansion

Daisy-Chain or Coax Combiners	Can connect Multiple Units also of different models for the wanted number of channels
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General

Power	Internal Professional Power Supply with power switch - 100-240VAC 50/60Hz, 65W max
Enclosure Dimensions	1.72" H x 19" W (rack ears) x 9.5 D 43.6 mm H x 482.6 mm W x 240 mm D
System Weight	5.5 lbs (2.5 kg)
Shipping Dimensions (individual)	Carton Box 5.2" H x 23" W x 23" D 132 mm H x 584 mm W x 584mm D
Shipping Weight	9.9 lbs (4.5 kg)
Cooling	Natural Air Circulation and redundant fans
MTBF	55,000 hours
Compliance	FCC Class A, IEC60065, EN61000, CE, RoHS, RCM, C-Tick
Warranty	5 years
Rear Panel	Available connectors and layout changes based on model and options

The content of this document is subject to revision without notice due to continued progress in methodology, design and manufacturing.

PVI shall have no liability for any error or damage of any kind resulting from the use of this document.

Cables and accessories

Power Cord	Included - compatible to your country socket
Video Input Cables	Included
Asi Input Cable	Included
Rack Mount Ears	Included

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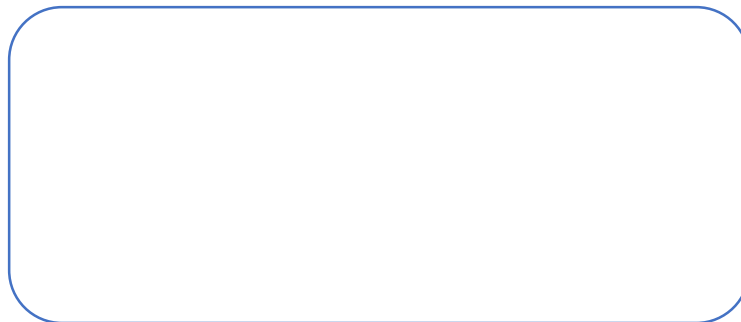


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best and cost-saving results

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