

# THOR

Distribute Crystal Clear HD Video Over Existing Coax Cable.  
Home systems, Home Theaters, Bedrooms, Living Rooms.



- Full Digital HD, the smartest solution for any quality HD Video Distribution
- Distribute an amount of HD video signals to HDTV over the existing Coax Cables
- **Customize your modulator to what fits you the best!**
- Choose your choice of HDMI/HD-SDI/ RGB inputs for stunning Digital HD Quality!
- Pick how many channels: Up to 4 Independent input: 4 channel outputs
- Up to 1080p @60 Frames per second!
- Choose what backbone you need (QAM, ATSC, DVB-T) All models support all 3
- Create your own Channels that you can view on any HDTV!
- RF Headend output level to receive on any TV via the Existing antenna cables
- RF output level set for you to receive TV with the existing coax cables.
- Antenna Input on our rear panel can play local channels
- Watch your programs via WIFI + LAN on computers, laptops and even cellphones!
- IPTV outputs HD video to stream directly to smart phones, computers& tablets!
- Connectors, cables and all power cords are supplied
- Lifetime 24hour 7days a week FREE tech support with our English engineers
- Team Viewer sessions included + an unheard of 5 Years of warranty!

## ATSC

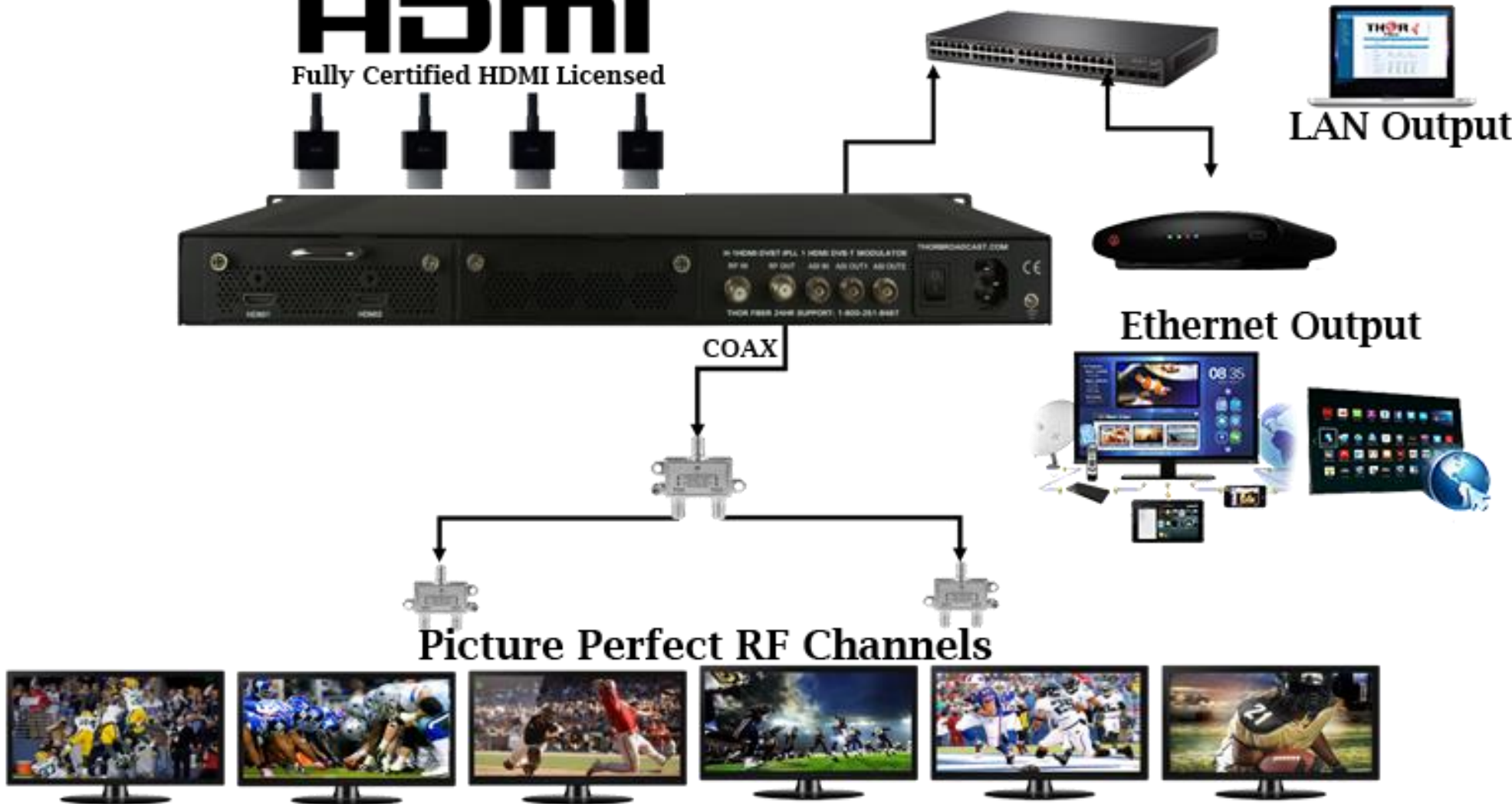
## QAM

## DVB-T



Thor Broadcast Encoder: Modulators are one of a kind. Video Broadcasting Processing; real time distribution to all your TVs with Perfect Vision and Control (Low Latency 70-125ms). Our RF Digital modulator are perfect for many different installation like Hotels, Hospitals, Jails, Institutions, University's, Stadiums, Gyms, Corporate Offices, Casinos, Cruise Lines, Private Channels, Jets, Airplanes, Yachts, Retirement Homes, Digital Signals, Security Systems, Sports Bars, Clubs, Private Home Entertainment and much more. Comes with a 30 day money back guarantee, if you aren't happy send it back and receive your full refund. Also 24 hour 7 days a week technical support + free Team Viewer sessions and training On top of Thor Broadcast 5 year warranty!

Converts Four HD High Definition Video Signals into Digital RF TV Channels that can inject directly to the coaxial cabling and receive on any Digital HD stations on the channel list. Up to 1080P Real FULL HD resolution already supported by the live sports and events, entertainment channels as well by your televisions and all playback devices, with picture perfect digital Sound and Picture. The IPTV SPTS simultaneous streaming output is available as option to watch all programs also over Wi-Fi & LAN on tablets, computers, mobile devices. Plug & play, we program your desired channels before shipping so it's as easy as connecting your video sources + the coax out to get picture perfect HDTV; all cords and cables are also included!



## Specifications

Sources	Connect all your HDMI video sources, any TV1080p Full HD
Set Output Channels	Set the Channel Numbers as you want them to list on your TVs
Connect Coax	Connect the Coax output directly to the 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
HD Video Quality	<b>One MPEG Encoding</b> Card per Each Input - Very Best HD Quality up to <b>1080p FULL HD</b>
Picture Details Quality	Broadcast-Grade, outstanding for live sports <b>**standard latency: 700-1200ms Low Latency: 70ms-125**</b>
Video Inputs	4Ch digital universal HDMI full digital sound and HD Picture Inputs - up to 1080p
Input Resolution	Auto-Detect - Up to 1080p FULL HD and full motion @ <b>60 Frames per seconds</b>
VGA input	Connects VGA and L/R audio via optional cable adapter scalar to any HDMI Input
DVI input	Connect any DVI video and L/R audio to the HDMI + L/R input
Bonus Channels	Up to 4 additional channels from ASI input via common TS media players / USB
Closed Caption / TXT	All formats
Encoding Modes	<b>MPEG2 / MPEG4 H264 selectable by software per each channel, please let us know witch firmware would fit your application the best, up to 1080i/p</b>
ATSC 2.0 1080p	Already Compatible with the Newest MPEG4 H264 ATSC 2.0 American Standard up to 1080p
Encoding Latency	<b>Broadcast-Grade Ultra Low Latency</b> - Real Time Encoding and Distribution over coax 70-125ms. Standard latency models 700-1200ms
Encoding Bitrates	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
Encoding Control	Video Bitrate, CBR/VBR, Ultra-fast encoding modes, 1080P mpeg2 mpeg4 mode
Audio Inputs	4X HDMI Audio Embedded - digital
Audio Format	All Modes as well Digital Multi-channel pass-through
Audio / Video pair	<b>Each Video Input can use either Digital or L/R analog audio in (select by the best fit software for your application)</b>
Analog Audio with Video	Input analog Audio from the L/R Digital Video ports and combine with the Digital
Digital Video Input	Input analog Audio from the L/R ports and combine with the
Available	<b>USA QAM CABLE - USA ATSC OFF AIR - DVBT/T2 - DVBC/C2 - ISDBTb - DMB-T</b>
Mer Quality	Very High Quality Mer of <b>45dB+</b> the best reception on all TVs over any existing Coax Cables
Spectrum Quality	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 All Supported
IP Streaming out	1x Gigabit IPTV streaming output port
Streams	4x selectable RTP/UDP SPTS Single Program Transport Streams, IGMP,
Multicast/Unicast	14 Megabit/s in MPEG2 mode - 3.5 Megabit/s in MPEG4 H264
Average Bitrate per	14 Megabit/s in MPEG2 & MPEG4 H.264 mode Stream- 3.
Multicast Broadcast	1 stream (1 time the bitrate) can serve
Mode	an unlimited number of IPPlay on Any IP Device Compatible to any IP Video player Software, IPTV set top Boxes, PCs, Tablets, Phones, and IPTVs
Play on Airplay / DNLA	requires WIFI access point server - plays directly from Safari, Apple TV3, and WIFI TVs
EAS	GPI Port Available SNMP Module - dry
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
Power	Internal Professional Power Supply with power switch - 100-240VAC 50/60Hz, 65W max
Enclosure Dimensions	1.72" H x 19" W x 15.35 D
System Weight	8 lbs. (3.7 kg)
Power Cord Included	Compatible to your country socket Video Input Cables Included (HDMI / SDI / Analog based on model) ASI input Cable Included
Warranty	5 year Warranty on all Thor products
Cables and accessories	Power Cords, HDMI, SDI BNC cables