

Overviews

H.264 encoder modulator up to 24 HD-MI sources from Satellite Receiver, PC, Blue ray, Local Playout, the latest new device which integrate encoding (MPEG-4 AVC/H.264) and option modulation (DVB-C/ DVB-T/ISDB-T/ATSC/DTMB) to convert Video/Audio signals into RF over exist Coax Cable distribution.



Feature

- Distribute Up to 8/12/16/20/24 channels of HD content over RF (DVB-T/DVB-C/DTMB/ISDB-T/ATSC) to an unlimited number of TVs
- Optional DVB-C (QAM), DVB-T (COFDM), ATSC-T, ISDB-T, DTMB Modulation, 4*Carrier RF Out
- Two separate ASI input for External TS Multiplexing
- Simulaneously MPTS and SPTS over UDP/RTP IP out
- Audio gain adjustment supported
- 4 separate multiplexing and Up-converter modulating adjacent carrier out
- Selectable the Value of PCR PID same as Video PID
- VBR and CBR mode
- LCN (Logical Channel Number) support
- PSI/SI editing & inserting
- PID Remapping & Filtering
- Support PCR correct and PCR interval adjusting
- Superior Shoulders and Excellent modulation quality MER
- Low power consumption and high reliability with MTBF(Mean Time Between Failure) ≤ 87600 Hours
- Easy-to-Use System Management via Web

Specification

Item	Parameter
HDMI inputs	
Numbers of Boards	4 HDMI ports per module Up to 6 Modules in Back panel
Numbers of Ports	8; 12; 16; 20; 24 Channels
DVB-ASI inputs	
Connector	BNC female, 75Ω
Signal Level	200-800mVp-p
Packet Length	188 bytes
Maximum bit-rate per port	≤100Mbps
Number of Input Ports	Dual separate ASI ports
Video Processing	
Input Resolution	1920×1080@60P, 1920×1080@60i, 1920×1080@50P, 1920×1080@50i, 1280×720@60P, 1280×720@50P 720×576@50i, 720×480@60i
Output Resolution	1920×1080@30P, 1920×1080@25P, 1280×720@30P, 1280×720@25P, 720×576@25P, 720×480@30P
Encoding	MPEG-4 AVC/H.264
Bit-rate	1Mbps~13Mbps
Rate Control	CBR,VBR
GOP Structure	IPPPP (P Frame adjustment, without B Frame)
Audio Processing	
Encoding	MPEG-1 Layer 2
Sampling rate	48KHz
Resolution	24-bit

Bit-rate	64kbps, 128Kbps, 192kbps, 224kbps,256kbps, 320kbps, 384kbps
Audio Gain	0-255
Multiplexing	
Maximum PID Remapping	180 input per channel
PID remapping by automatically or manually	
PSI/SI	SDI/PMT/TOT/PAT/BAT/CAT/TDT/NIT Insert Accurate PCR adjusting
Max Numbers	7 Group 4 mux for RF out 2 mux for ASI out 1 Mux for MPTS out
Stream Output	
DVB-ASI	2 Separate ASI, 75Ω, BNC, 188Bytes MPEG-2 TS over DVB-ASI (EN 50083-9)
RJ45 Port	100/1000M GbE Port Simultaneous output with N*SPTS and 1*MPTS MPEG-2 TS over UDP, unicast, and multicast streaming MPEG-2 TS over RTP/RTSP Configurable packet size(2-7)x188Bytes Filter Null Packet
Total Bitrate	1-200Mbps (Should be More than Encoding bitrate)
Modulation Part	
Connector	1 Port, F-Type, 75
Output Return Loss	14 dB
MER	≥40dB
RF output level	-30 ~ -10dbm,0.1db step
RF frequency	47-860Mhz, 1KHz step
Numbers of RF Channe	4
Modulation Mode	DVB-C, DVB-T, ATSC, ISDB-T, DTMB
DVB-T Standard	EN300744

FFT mode	2K, 8K			
Bandwidth	6M, 7M, 8M			
Constellation	QPSK, 16QAM, 64QAM			
Guard Interval	1/4, 1/8, 1/16, 1/32			
FEC	1/2, 2/3, 3/4, 5/6, 7/8			
DVB-C Standard				
Carrier	ANNEX A	Annex B		Annex C
Constellation(QAM)	16,32,64,128, 256	64	256	64/256
Bandwidth(Mhz)	8	6	6	6
Symbol Rate(Mbaud)	5-7	5.057	5.361	4.2-5.3
ISDB-T Standard				
Constellation	DQPSK, QPSK, 16QAM, 64QAM			
Guard Interval	1/32, 1/16, 1/8, 1/4			
Transmission Mode	2K, 4K, 8K			
Guard Interval	1/32, 1/16, 1/8, 1/4			
Code rate	1/2, 3/4, 5/6, 7/8			
BandWidth	6Mhz			
ATSC Standard 6Mhz				
ATSC A/53				
Constellation	8 VSB			
DTMB Standard				
GB20600-2006				
Constellation	4QAM, 16QAM, 32QAM, 64QAM			
Code rate	0.4, 0.6, 0.8			
Guard Interval	420, 595, 945			
System				
Local interface	LCD + control buttons			

Remote management	Web/NMS
NMS interface	RJ45, 100M
Language	English
Environment	
Voltage range	100 to 120/200 to 240V AC ±10%; 50/60Hz
Power consumption	60W
Operation Temperature	0 ~ 45°C
Storage Temperature	-20 ~ 80°C
Dimensions	482mm (L) * 380mm (W) * 44mm (H)
Weight	4.5 kg

Principle Chart



We produce a wide selection of network equipment under HONDAO brand . Gather thousands of products ,which are supplier to customs of different filed and different requirement . QC team test all goods before shipment . We screen the Chinese supplier in a search of the most efficient product solutions available to satisfy your individual needs.