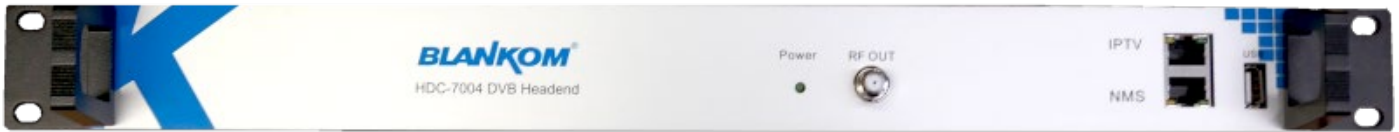
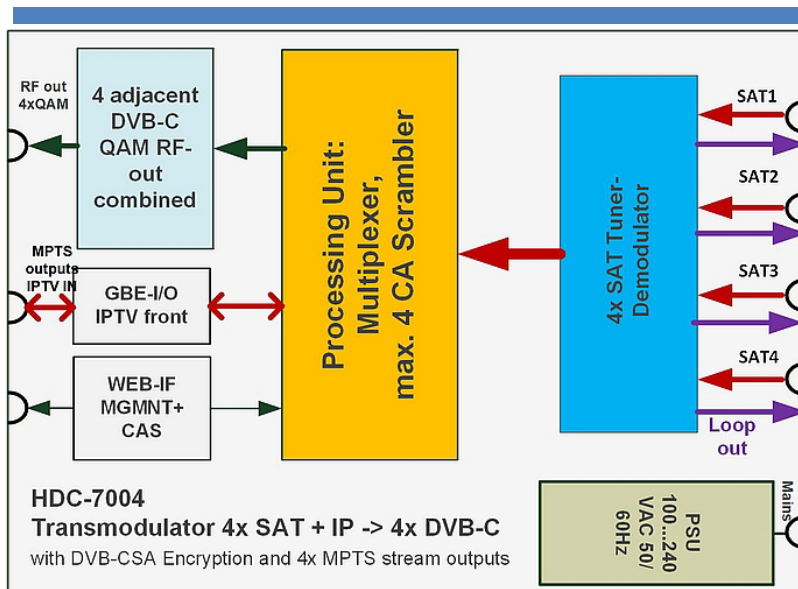


SAT & IP to 4 DVB-C QAM Transmodulator



- 4 DVB-S2x Transponder inputs L, KU, C-Band
- + 1 Ethernet IP input port serving
 - max 128 IP (SPTS/MPTS) input over UDP/RTP protocol
- PCR adjusting/PSI/SI editing and inserting / PID Remapping/PID pass
- Excellent RF output performance index, MER≥40db
- 4 multiplexed or scrambled TS over UDP output
- 4 adjacent QAM carriers output, compliant to DVB-C (EN 300 429) and ITU-T J.83 A/B/C
- USB for upgrading CPU/FPGA
- IPTV Synchronization & NTP -> TDT
- Web-based Network management
- Up to 180 PIDS remapping per channel
- Support DVB general scrambling system (ETR289), simulcrypt standards ETSI 101 197 and ETSI 103 197

BLANKOM HDC-7004 modulates in DVB-C from 4 SAT Inputs and max 512 SPTS or MPTS IPTV channels Input into 4 QAM (DVB-C) carriers within 30...1000 MHz bandwidth, in high broadband quality



The BLANKOM HDC-7004 is a 5th generation SAT & IP to QAM modulator with multiplexer and scrambler.

The IPTV input channels can be SPTS or MPTS, unicast RTSP or multicast.

The internal multiplexer creates 4 streams with any combination of content (UHD/HEVC/MPEG4 compatibel)

The output consists of 4 DVB-C carriers, each with up to 256QAM modulation in ANNEX-A and US (-B)

Each of the 4 output multiplexes are also provided as MPTS IPTV streams, UDP/RTP, RTSP uni-/multicast at the IPTV I/O port.

A perfect and cost effective Transmodulator to add just a few channels to your existing CATV-Network or grow with your business.

Technical specifications:

Input	IP-Input	512 Streams from GbE input by 1000Mb/s Ethernet Port
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	max 84Mbps for each IPTV input
	4x DVB-S2x Tuner/demod	L-Band: Most common standards supported, DiSEqC 4 SAT pos.
Multiplexing	Remapping	Max. 512 PIDs per Channel
	Output Channel	4 adjacent -> 4x IP out as MPTS (from 4 MUX)
	Functions	PID remapping (auto / manually)
		PCR restamping
Encryption Parameters	Max simulcrypt CA	4 Systems
	CA Standard	ETR289, ETSI 101 197, ETSI 103 197
	Connection	Local/remote connection to CAS
Modulation Parameters	QAM Channel	4 adjacent carrier
	Modulation Standard	DVB-C Annex A/C and B EN300 429/ITU-T J.83A/B
	Symbol Rate	5.0...9.0 MSps, 1 kSps steps, FEC
	Constellation	16, 32, 64, 128, 256QAM dep. On A/C or B
	FEC	RS (204, 188) inner/outer configurable
RF Output	Interface	1 F-type output port for 4 QAM channel, 75Ω impedance
	RF Range	30...1000 MHz, 1kHz steps
	Output Level	-10 dBm...+0 dBm (87...107 dBμV), 0.1dB steps
	MER	≥ 40dB
	ACLR	-60 dBc
TS output System	4 MPTS IP output over UDP/RTP multicast by 1x100/1000M Gbit-Ethernet Port	
System	Network management software (NMS) support (100BaseT) and USB port upgrade support	
General	Dimensions	19" 1U: 430mm×220mm×44mm (WxLxH)
	Weight	3.5kg
	Temperature	0...45°C (operation), -20...80°C (storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	25.4W

