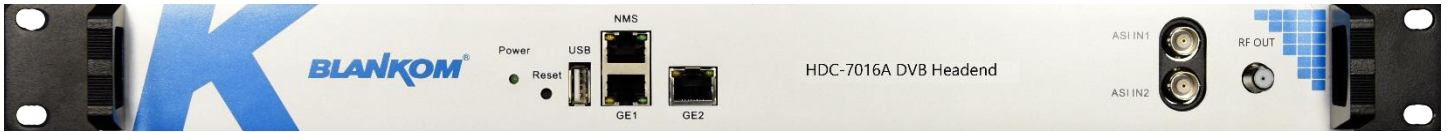


DVB-S2x 16 SAT to DVB-C CATV Transmodulator



- 16 DVB-S2x FTA Tuner, 2 GigE Input, 2 ASI In, 1 RF out
- IP-Input: Up to 512 channels TS over UDP/RTP multicast
- 16 non-adjacent QAM carriers' output, compliant to DVB-C (EN 300 429) and ITU-T J.83 A/B
- 16 multiplexed or scrambled TS over UDP/RTP/RTSP outputs
- PCR Auto- adjusting / restamping
- CA PID filtering, remapping and PSI/SI editing
- Up to 180 PID remapping's per channel
- Support DVB general scrambling system CSA (ETR289), simulcrypt standards ETSI 101 197 and ETSI 103 197
- Web-based Network management

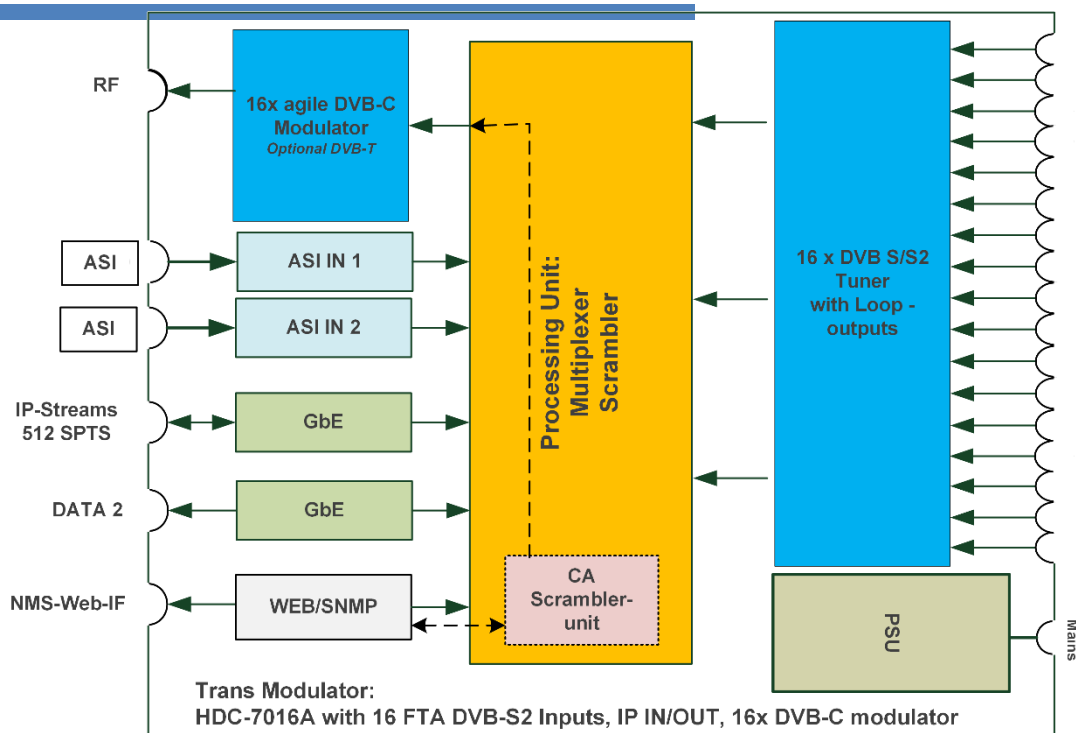
BLANKOM HDC-7016A is a 5th generation SAT & IP to QAM modulator with multiplexer and scrambler.

The IPTV input channels can be SPTS or MPTS, unicast or multicast. The internal multiplexer creates 16 RF + streams with any combination of content.

The output consists of 16 DVB-C carriers within 192 MHz bandwidth, each with up to 256QAM modulation.

Each of the 16 output multiplexes are also provided as MPTS IPTV streams, UDP/RTP/RTSP, unicast or multicast at the both data ports.

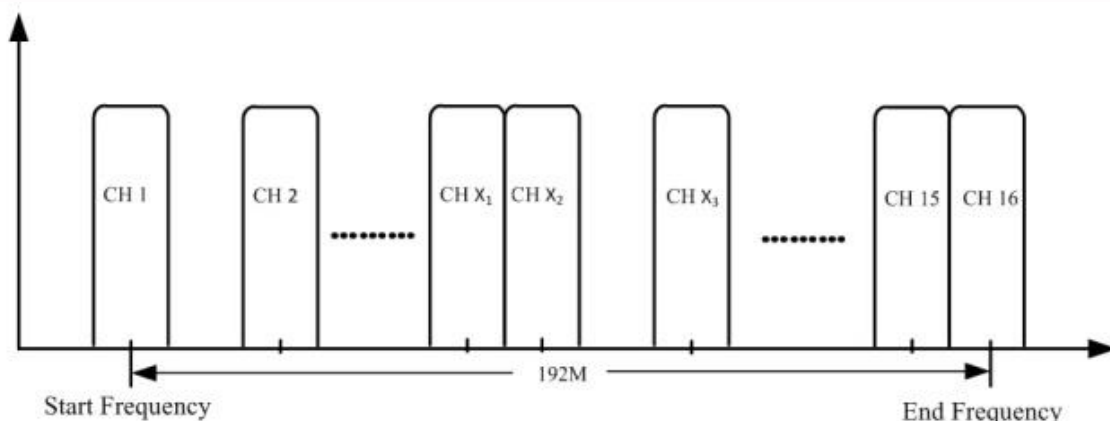
BLANKOM HDC-7016 receives 16x FTA SAT Transponders & Multiplex and Modulates into 16 QAM (DVB-C) carriers within 192 MHz bandwidth, in broadcast quality.



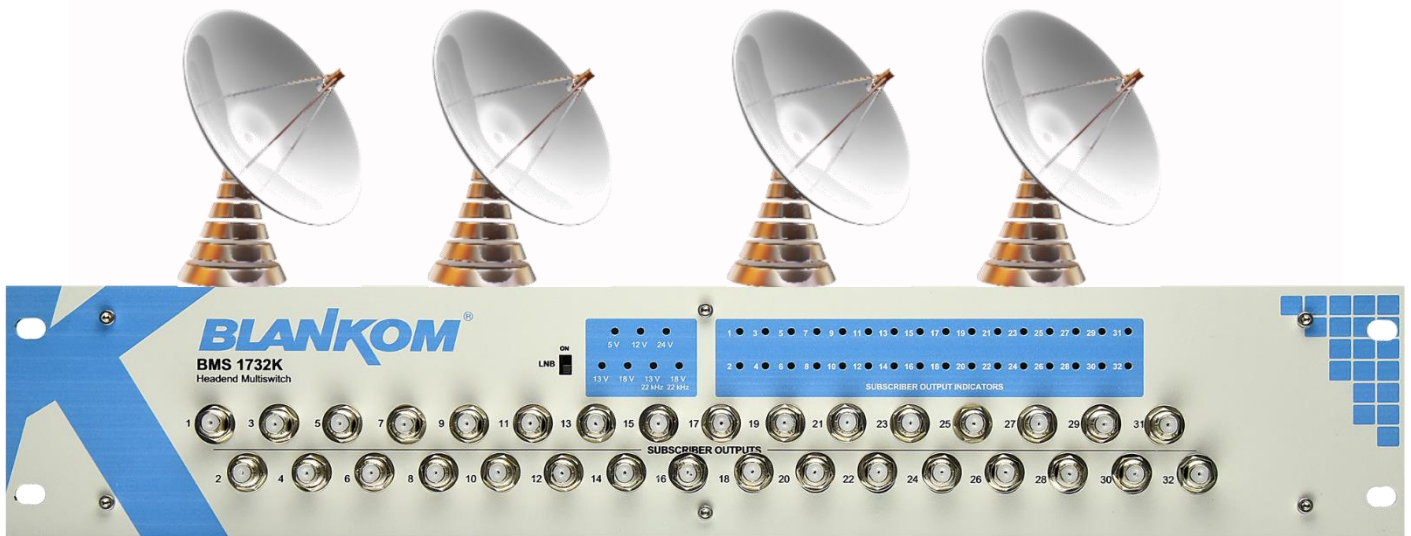
Technical specifications:

Function	16 channel DVB-C Headend with Satellite, IPTV and ASI input
INPUT	16 DVB-S/S2 FTA Tuner
	512 IPTV channels over UDP and RTP protocol
	2 ASI input, BNC interface
OUTPUT	16 DVB-C groups which can be multiplexed from any combination of input channels
Tuner section	16 DVB-S/S2 tuners with input frequency range: 950-2150 MHz
	Symbol rate: 2-45 MSps (supports SCPC and MCPC)
	Signal strength: -65...-25dBm
	QPSK, 8PSK; supporting DiSEqC 1.0 LNB control for up to 8 satellites
Multiplexing	16 multiplexers, Maximum PID remapping: 128 per input channel
	PID remapping (automatically or manually), Accurate PCR adjusting, Generate PSI/SI table automatically
Scrambling	Max simulcrypt CA: 4
	Scramble Standard: ETR289, ETSI 101 197, ETSI 103 197
	Local/remote connection
Modulation	16 DVB-C (QAM) channels, Standard EN300 429/ITU-T J.83A/B
	RF frequency 50...960 MHz, 1 kHz step
	RF output level 87...107 dBμV, 0.1 dB step
	Constellation 16/32/64/128/256QAM
	MPTS / SPTS over UDP, 10/100/1000 Base-T Ethernet interface (UDP unicast / multicast)
SYSTEM Control	Remote management Web NMS (10M/100M)
GENERAL	
Dimensions	482mm×300mm×44.5mm, 19" 1U, 3.7 kg
Power	AC 110V±10%,50/60Hz or AC 220V±10%, 50/60Hz, 25 W, dual power supply optional
Temperature	0...45°C (operation), -20...80°C (storage)

Flexible & Agile Channel-Line-Up:



Application Example



2x 16 RF SAT Transponders



DVB-C TV set, 32 QAM channels



Complementary Products:

- BMS-0512C -0932K -1732K 19" Multiswitch Family
- HDC-5004 IP 2 QAM 4ch
- IGS-900: 16 SAT-Transponder to IP
- IGS-700-4/8: 4/8 SAT/T/C 4xCAM decrypt to IP
- Encoder - Streamer Family:
- EMU's, HDE's, SDE's ...

New Design 2025:



See also HDC-7024A --- using the same HW-Platform.

Loop outputs (max. 4 Inputs should be looped, starting with 1 (or each 4th Tuner)

Eg.: 1out->2 IN, 2out -> 3 IN, 3out->4 IN then start again with 5+6+7+8

HDC-7016A

welcome to use V 2025-

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Summary

- Status

Parameters

- Tuner
- TS Config
- Scrambler
- Modulator
- Output
- USB Media

System

- Network
- Password
- Configuration
- Firmware
- Date | Time
- Log
- Reboot

Tuner

#	Tuner	TS Lock	Signal	Parameters	Action
1	DVB-S2/S2X	42.584 Mbps	Quality: 61% Strength: 76% Power: -23.12 C/N: 15.25 BER: 0.0E+00	Frequency: 11494.000 MHz LNB Frequency: 9750.000 MHz Symbolrate: 22000 Ksps LNB Voltage: 18V 22K: OFF Satellite: 1	Edit
2	DVB-S2/S2X	42.584 Mbps	Quality: 61% Strength: 79% Power: -20.51 C/N: 15.25 BER: 0.0E+00	Frequency: 11362.000 MHz LNB Frequency: 9750.000 MHz Symbolrate: 22000 Ksps LNB Voltage: 18V 22K: OFF Satellite: 1	Edit

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Modulator

Center Frequency: 710.000 MHz Standard: J.83A(DVB-C)
 Level(All Carriers): 0.0 dBm Channel Info.(Alarm/Active/Total): 0/16/16

#	Frequency	Constellation	Symbol Rate	Gain offset	Status	Bit(Act/Max)	
1	650.000 MHz	256 QAM	6875 Ksps	0.0 dB	●	40.6/50.7 M	✎
2	658.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	31.0/38.0 M	✎
3	666.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M	✎
4	674.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M	✎
5	682.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M	✎
6	690.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M	✎
7	698.000 MHz	64 QAM	6875 Ksps	0.0 dB	●	0.0/38.0 M	✎