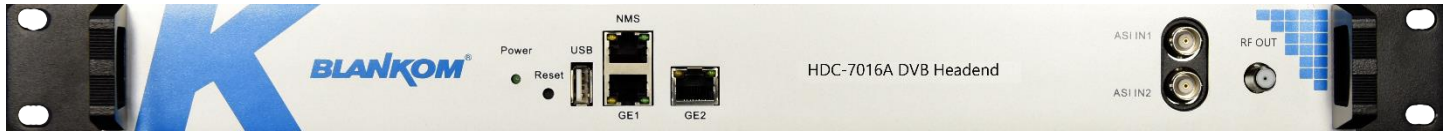


DVB-S2x 16 SAT to DVB-C CATV Transmodulator



- 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

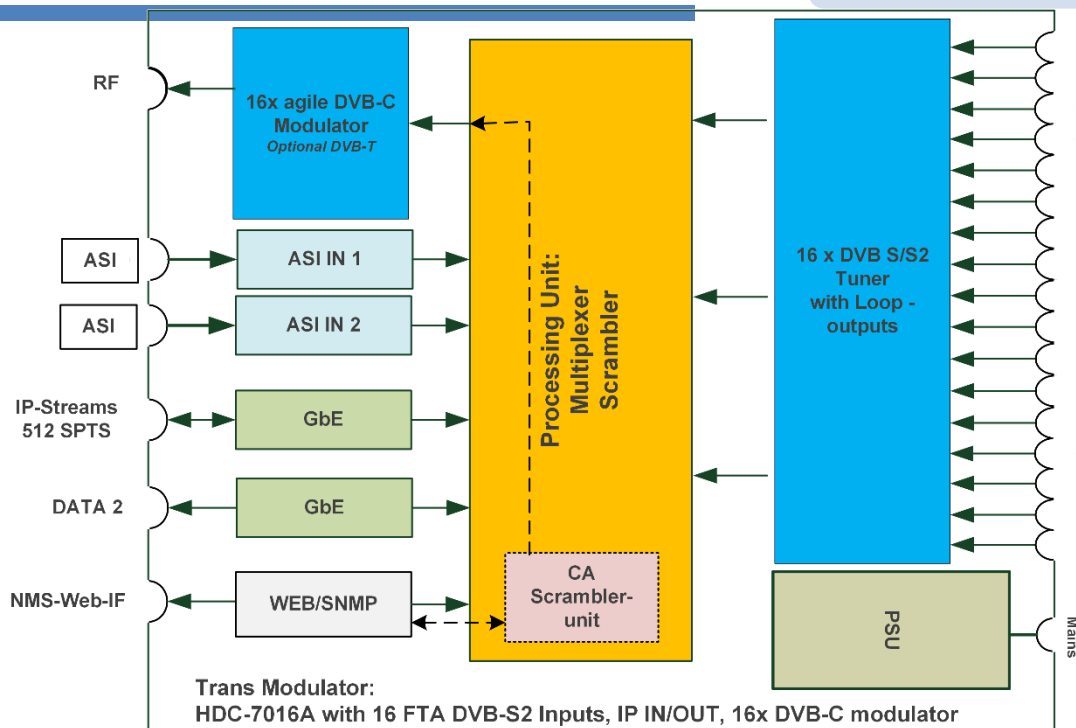
BLANKOM HDC-7016A is a 5th generation SAT & IP to QAM modulator with multiplexer and scrambler.

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.

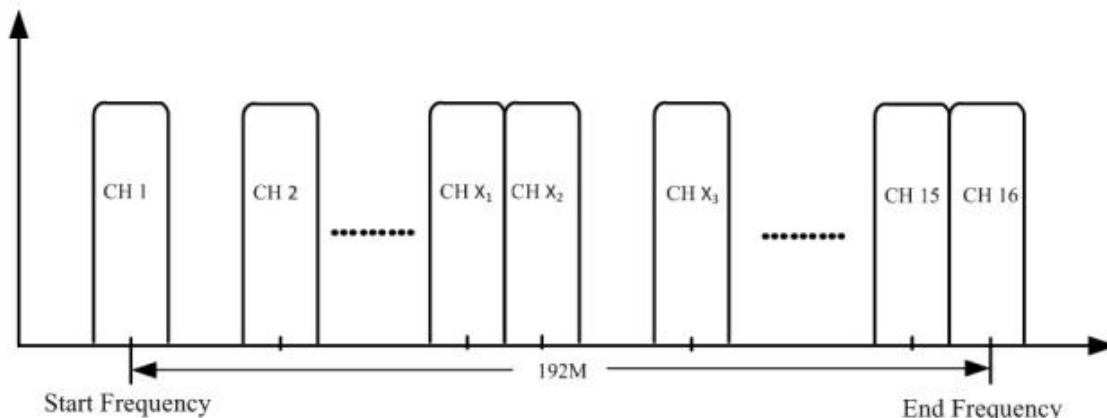
BLANKOM HDC-7016 receives 16x FTA SAT Transponders & Multiplex and Modulates into 16 QAM (DVB-C) carriers within 192 MHz bandwidth, in broadcast quality.



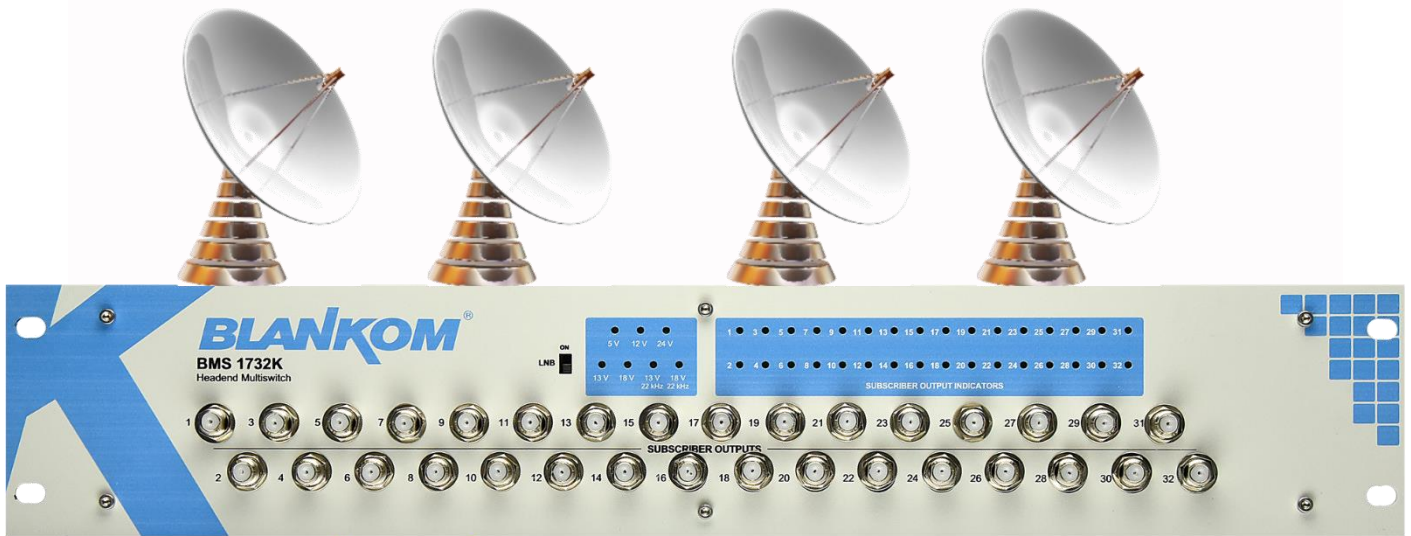
Technical specifications:

| | |
|-----------------------|--------------------------------------------------------------------------------------------------------|
| 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:



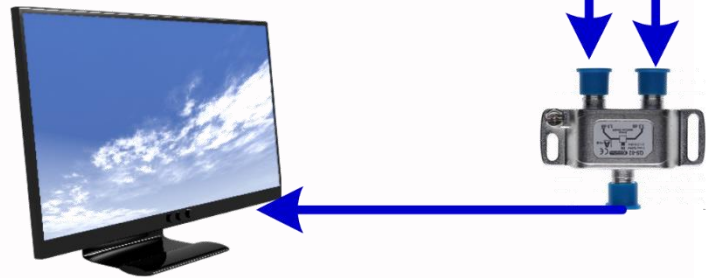
Application Example



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 ...**