BLANKOM® an IRENIS brand ...setting signals

HDC 7024A

24 SAT & IP/ASI to 16 DVB-C QAM Trans-Modulator

- 24 DVB-S2x FTA Tuner, 2 GigE Ports, 2 ASI In, 1 RF out
- Up to 128 channels TS over UDP/RTP multicast, IGMP v2\v3 inputs on GbE1
- 16 non-adjacent QAM carriers output, compliant to DVB-C (EN 300 429) Annex C and ITU-T J.83 A/B
- 16 multiplexed / scrambled TS over IP UDP or RTP/RTSP outputs to GbE2
- Accurate PCR adjusting, PSI/SI editing and inserting
- CA PID filtering, remapping and PSI/SI editing
- Up to 180 PIDS remapping per channel
- Support DVB Conditional Access encryption System (ETR289), simulcrypt standards ETSI 101 197 and ETSI 103 197
- Info-Channel inserting: TS player via USB (FAT 32)
- Web-based Network management
- Optional with redundant 2nd PSU available

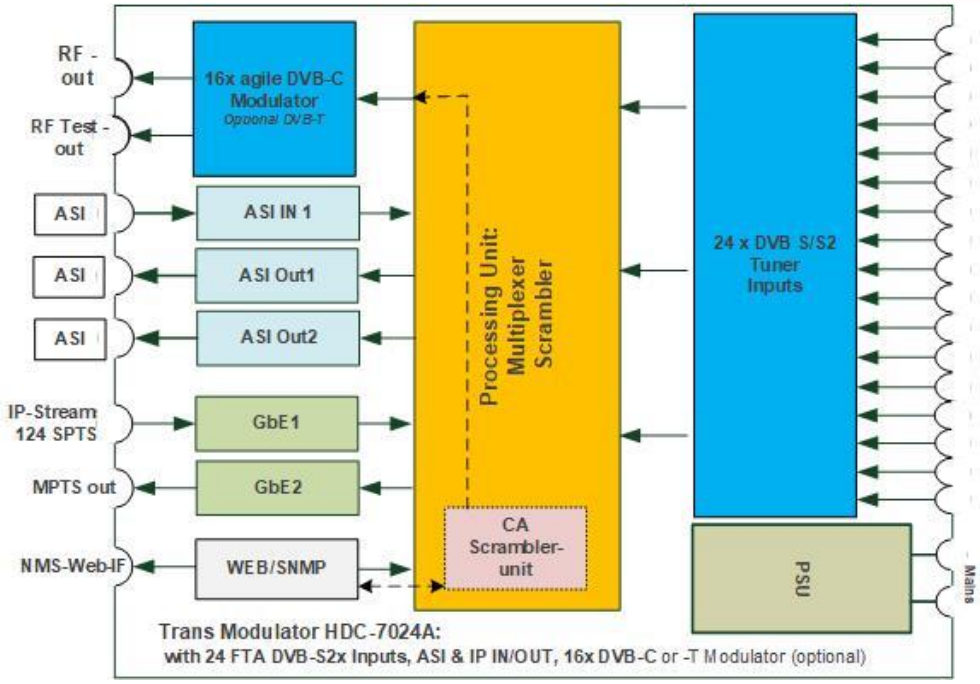
BLANKOM HDC-7024A receives 24x FTA SAT Transponders & Multiplex and Modulates into 16 QAM (DVB-C) carriers within 192 MHz bandwidth, in broadcast quality.

BLANKOM HDC-7024A is a 5th generation SAT, ASI & IP to DVB-C QAM CATV modulator with multiplexer and scrambler.

The IPTV input channel Streams serves multicast SPTS or MPTS.
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.

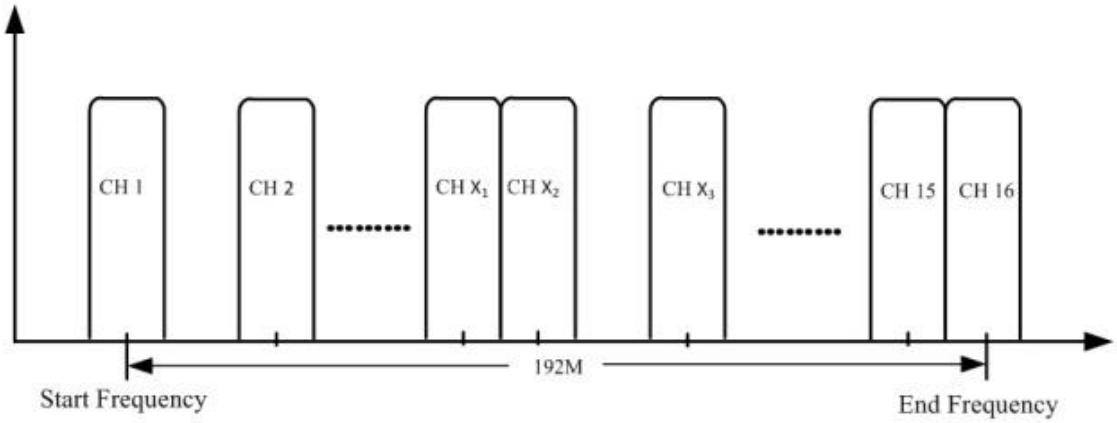
Each of the 16 output multiplexes are also provided as MPTS IPTV streams, UDP/RTP/RTSP, unicast or multicast at the corresponding data port.



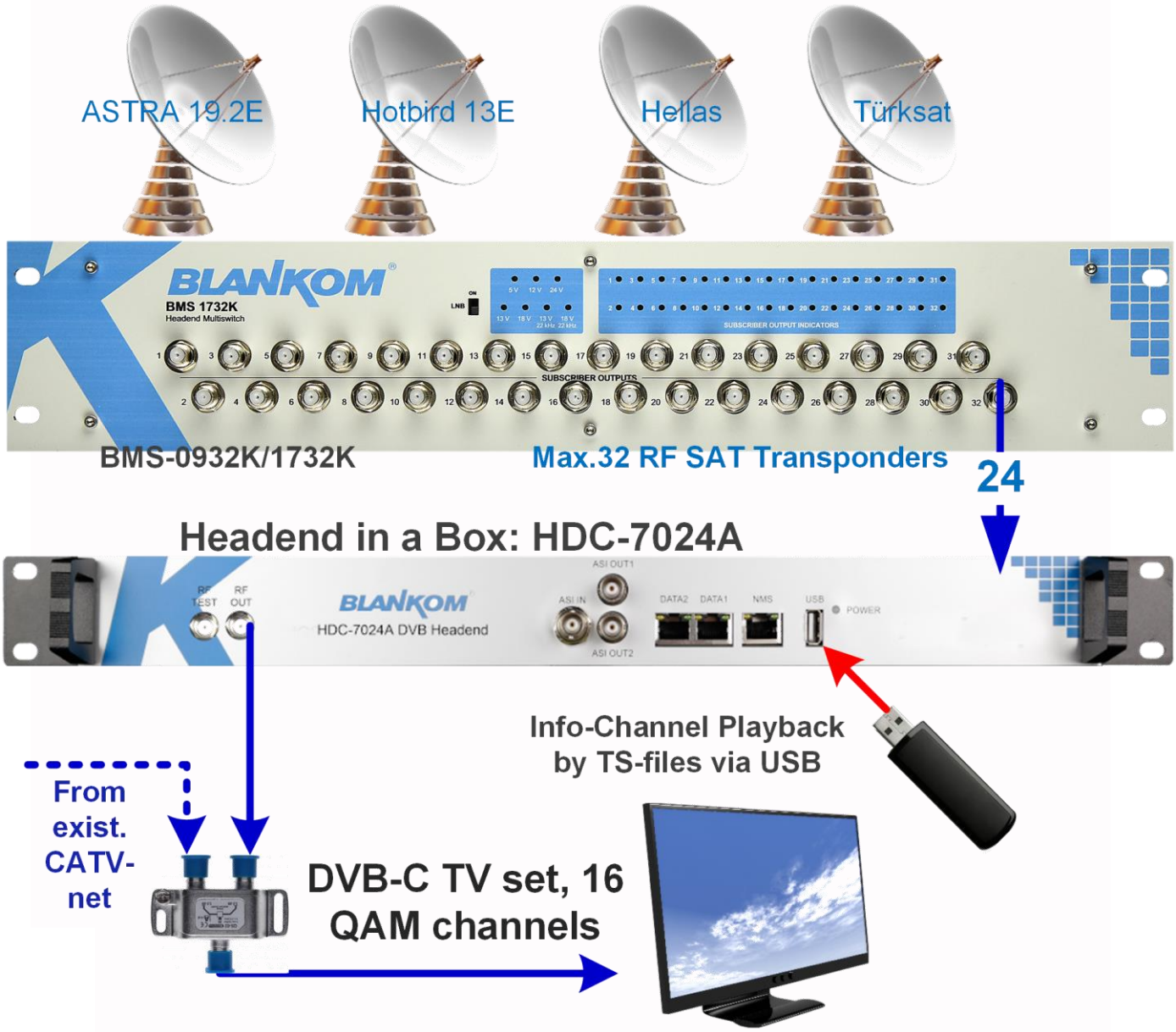
Technical specifications:

Function	24channel DVB-C Headend with Satellite, IPTV and ASI input
INPUT	24 DVB-S/S2 FTA Tuner
	124 IPTV channels over UDP and RTP protocol
	1 ASI input, BNC interface
OUTPUT	16 DVB-C groups which can be multiplexed from any combination of input channels 2x ASI out for monitoring or passing a muxed TS as copy of a DVB-C channel
Tuner section	24 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 (opt. DVB-T)
	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 on demand when ordering
Temperature	0…45°C (operation), -20…80°C (storage)

Flexible & Agile Channel-Line-Up:



Application Example



Complementary Products:

HDC-5004 IP 2 QAM 4ch
IGS-900: 16 SAT-Transponder to IP
IGS-700: 4 SAT/T/C decrypt to IP
Luminato advance HE-Platform
Encoder - Streamer Family:
EMU's, HDE's, SDE's ...

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