BLANKOM
an IRENIS brand
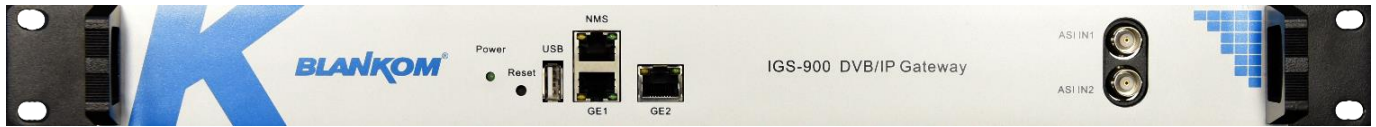*...setting signals*

ip.tv

IGS 900

16 Transponder DVB to IP Gateway

- 16 Tuner inputs DVB-S/S2/S2x (DVB-C, DVB-T/T2 optional)
- 2 ASI inputs
- IP (512 SPTS or 16 MPTS) over UDP, RTP / RTSP output
- BISS descrambling
- DiSEqC support for up to 4 Satellites
- 2 GbE mirrored output, up to 850 Mbps (SPTS)
- 2 independent GbE output port, GE1 + GE2 (MPTS)
- Accurate PCR adjusting (SPTS)
- PID filtering and re-mapping (SPTS), CA-Filter
- PSI/SI rebuilding and editing (SPTS)
- "Null PKT Filter" function (MPTS)
- WEB-IF management

BLANKOM IGS-900 DVB/IP gateway
16 FTA tuner inputs + 2 ASI
with a total capacity of 512 SPTS or
16 MPTS IPTV stream outputs

BLANKOM IGS-900 is a DVB/IP Gateway, which has 16 DVB-S/S2x tuners (DVB-C, DVB-T/T2 optional) **and de-multiplexing functions in 1RU chassis to convert RF signals into SPTS or MPTS IPTV output.**
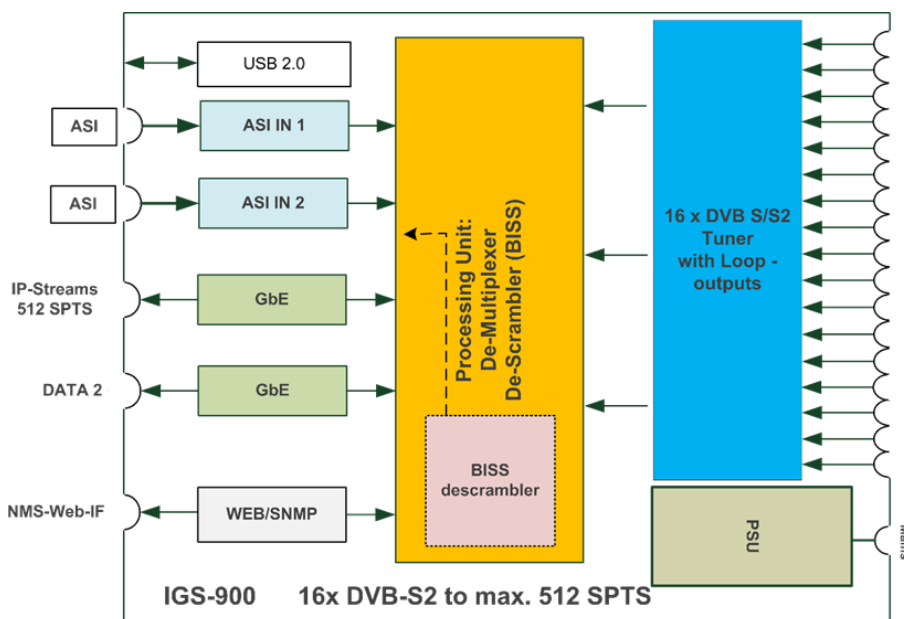
SPTS or MPTS can be selected either - or. Additional equipped with 2 ASI inputs.

To meet customers various requirements, IGS-900 is designed to de-mux programs from any input, RF and 2 ASI IN-Sources.

Demultiplexing to up to 512x SPTS or 16x MPTS passing IPTV streams output in UDP, RTP/RTSP with up to a total load of 850 Mbps.

BISS descrambling function is built in. It has DiSEqC Support for selecting up to 4 different satellite positions.

CA Filter and PID-Remapping as well as PID excluding (depending on mode)

Technical specifications:

Input (DVB-S/S2/S2X)	Mode 1: 16 DVB-S/S2x tuners input +2 ASI input --- SPTS output Mode 2: 14 DVB-S/S2x tuners input +2 ASI input --- MPTS output Mode 3: 16 DVB-S/S2x tuners input --- MPTS output *DVB-C/T/T2 upon request*

Tuner Section (DVB-S/S2/S2X)	Input Frequency	950-2150 MHz
	Symbol rate	QPSK/ 8PSK /16APSK: 0.5...45 MSps 8APSK: 0.5...40MSps 32APSK: 0.5...34MSps
	FEC/Code rate	**QPSK:** 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 **8PSK:** 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 **8APSK:** 5/9-L, 26/45-L **16APSK:** 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36 , 2/3-L, 25/36, 13/18, 7/9, 77/90 **32APSK**: 3/4, 4/5, 5/6, 8/9, 9/10, 2/3-L, 32/45, 11/15, 7/9
	Constellation	QPSK, 8PSK, 8APSK, 16APSK, 32APSK

Output	512 SPTS IP mirrored output over UDP and RTP/RTSP protocol through GE1 and GE2 port, Unicast and Multicast
	16 MPTS IP output (for Tuner passthrough) over UDP and RTP/RTSP protocol through GE1 and GE2 port, Unicast and Multicast

BISS descrambling	Mode 1, Mode E (Up to 850 Mbps) (descramble individual program)

Miscellaneous	Dimensions (W×L×H)	482 mm×410 mm×44 mm
	Approx. Weight	3.6 kg
	Environment	0...45℃ (Operation); -20...80℃ (Storage)
	Power requirements	100...240VAC, 50/60Hz
	Power consumption	20W