

24 Transponder DVB to IP Gateway



- 24 Tuner inputs DVB-S/S2/S2x (DVB-C -T/T2, ISDB-Tb optional)
- 1 ASI input, 2 ASI outputs (parallel)
- IP (2x 512 SPTS or 2x12 MPTS) over UDP, RTP / RTSP output
- BISS 1/E embedded descrambling
- DiSEqC support for up to 4 Satellites
- 2 GbE output, up to 850 Mbps each (2x 512 SPTS)
- 2 independent GbE output port, GE1 + GE2 (2x12 MPTS)
- Accurate PCR adjusting (SPTS)
- PID filtering and re-mapping (SPTS), CA-Filter
- PSI/SI rebuilding and editing (SPTS)
- “Null PKT Filter” function (MPTS)
- USB-TS playback – Infochannel streaming
- WEB-IF management

BLANKOM IGS-924 is a DVB/IP Gateway, which has 24 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 1 ASI input, 2x parallel ASI out

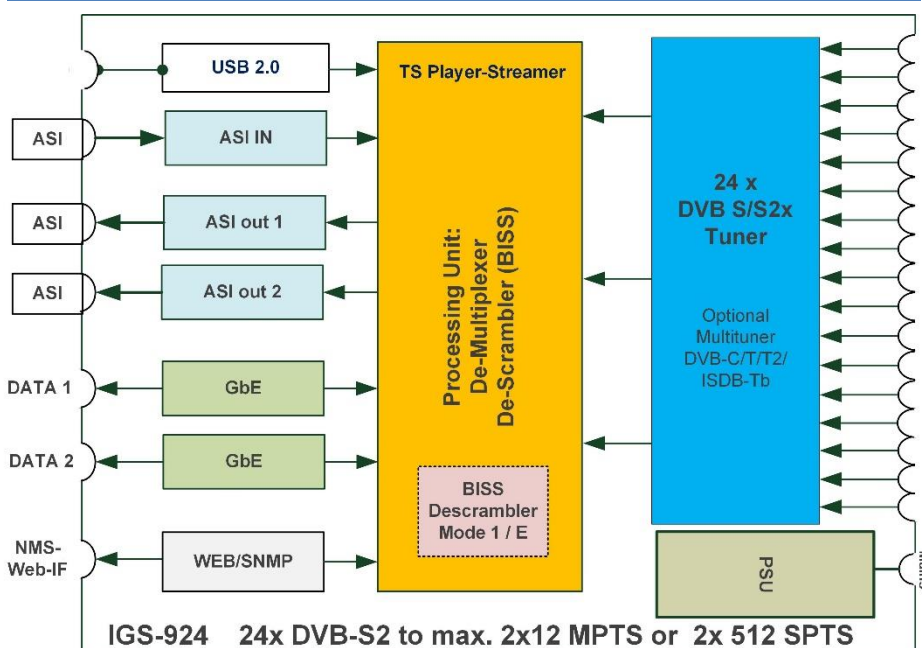
To meet customers various requirements, IGS-924 is designed to stream TV- and Radio-Channels from any input, RF and an ASI IN-Source.

Demultiplexing to up to 2x 512x SPTS or 2x12 MPTS passing IPTV streams output in UDP, RTP/RTSP with up to a total load of 2x 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 and model)

BLANKOM IGS-924 DVB/IP gateway with 24 FTA Tuner inputs + 1 ASI + IP with a total capacity of 2x 512 SPTS or 2x12 MPTS IPTV stream outputs



Technical specifications:

Input		24 tuner inputs + 1x ASI in, TS Player ->SPTS/MPTS output		
Tuner Section	<i>Option: Multi-mode tuners</i>	DVB-C	Frequency In	60...890MHz
			Standard	J.83A(DVB-C), J.83B, J.83C
			Constellation	16/32/64/128/256 QAM
		DVB-T/T2	Frequency In	60...890MHz
			Bandwidth	6/7/8 M bandwidth
		ISDB-T, ATSC	Frequency In	60...890MHz
	Satellite	DVB-S	Frequency In	950...2150MHz
			Symbol rate	0.5...45Msps
			Signal Strength	-65... -25dBm
			FEC	1/2, 2/3, 3/4, 5/6, 7/8
			Constellation	QPSK
			Max input bitrate	≤ 125 Mbps
		DVB-S2	Frequency In	950...2150MHz
			Symbol rate	QPSK/8PSK /16APSK :0.5...45 MSps 32APSK: 0.5...34MSps;
			FEC	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
			Constellation	QPSK, 8PSK, 16APSK, 32APSK
			Max input bitrate	≤ 125 Mbps
			DVB-S2X	Frequency In
		Symbol rate		QPSK/8PSK /16APSK :0.5...45 Msps 8APSK: 0.5...40Msps 32APSK: 0.5...34Msps
		FEC		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			
Max input bitrate	≤125 Mbps			
BISS Descrambling		Mode 1, Mode E (Up to 850Mbps) (descrambling individual program's)		
Output		Unicast and Multicast 2x 512 SPTS IP output over UDP and RTP/RTSP protocol through GE1 & GE2 port (IP address and port number of GE1 and GE2 are independent)		
		2x12 MPTS IP output (for Tuner/ASI passthrough) over UDP and RTP/RTSP protocol through 12 on GE1 and 12 on GE2 port, Unicast and Multicast		
		2 ASI output, TS-Player-Streamer from connected USB-PEN		
System		Web-Server based management via 100BaseT port		
		software upgrade via Web-IF		

Miscellaneous	Dimension	482mm×230mm×44mm (W×L×H)
	Approx weight	3.6kg
	Environment	0...45°C (working condition); -20...80°C (in Storage)
	Power requirements	100...240VAC, 50/60Hz
	Power consumption	20W

Application Example:

