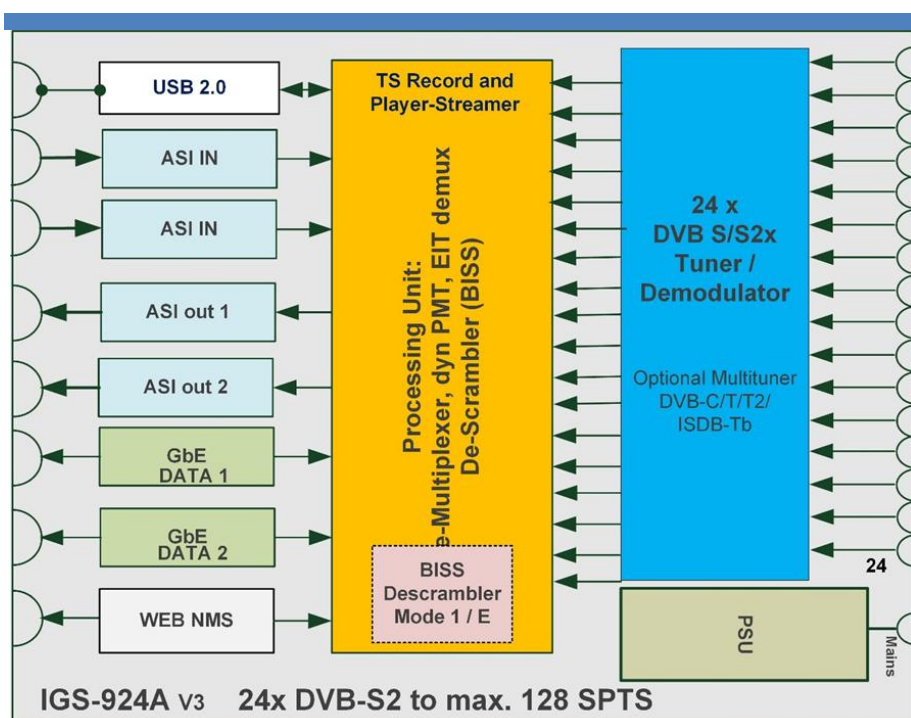


24/16 Transponder DVB to IPTV Gateway



- Redesigned 2026 (V4=A): RF-Loop, Front-LCD/Keypad, 1 more ASI IN
- 16 or 24 Tuner inputs DVB-S/S2/S2x (DVB-C, -T/T2, -ISDB-Tb optional)
- 2 ASI input, 2 ASI outputs, IP stream input
- A= Advanced Version: IP 128 SPTS 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 (A: 128 SPTS)
- Accurate PCR adjusting (SPTS), manual set restamping
- PID filtering and re-mapping (SPTS), CA-Filter
- PSI/SI rebuilding and editing (SPTS)
- “Null PKT Filter” function, AIT selection to SPTS
- Dynamic PMT and EPG demuxer support (A-Version)
- USB-TS Record/Playback – Info channel streaming
- WEB-IF management

**BLANKOM IGS-900/924 DVB/IP gateway with
16/24 FTA Tuner + 2 ASI + IP inputs
with a total capacity of 128 SPTS or
IPTV stream outputs**



BLANKOM IGS-900A and IGS-924A

is a DVB/IP Gateway, which has 24 DVB-S/S2x tuners (DVB-C, DVB-T/T2 optional) and de-multi-plexing functions in 1RU chassis to convert RF signals into SPTS IPTV multicasts output.

SPTS can be selected with EIT parts and AIT parts.

Additional equipped with 2 ASI input, 2x parallel ASI out

To meet customers various requirements, IGS-924A is designed to stream TV- and Radio-Channels from any input, RF and 2 ASI IN-Source.

Demultiplexing to up to 128 SPTS passing IPTV streams output on 2x GbE 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)
IP-Input, AIT, EIT streaming

Perfect for Linear IPTV multicast systems or middleware based systems

Technical specifications:

Input		16/24 tuner inputs + 2x ASI in, TS rec/Player ->SPTS output, Rf-Loops		
Tuner Section	Option: Multi-mode tuners	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-S2x	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...40 MSps 32APSK: 0.5...34 MSps
		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 128 SPTS IP output over UDP and RTP/RTSP protocol through 64 to GE1 & 64 to GE2 port (IP address and port number of GE1 and GE2 are independent)		
		2x ASI out (Tuner – direct passing or selectable SPTS)		
		TS-Recorder/Player-TS-file Streamer from connected USB-PEN/SSD		

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

IN Q2 2026 NOW A NEW REDESIGN AS IGS-924A HAS BEEN DONE TO MEET MODERN IPTV SYSTEM DEMANDS:

Changelog: Different new features has been implemented but some former ones had to be disabled

- **NEW:** EIT demultiplexing and adding to the SPTS streams automatically
- **AIT:** The AIT's are streamed along with the SPTS, ext. AIT-URI's can be added
- **No MPTS,** but 2x ASI outputs selecting direct Tuner-TS or an SPTS
- **Instead of max 2x 512 Streams (and selectable MPTS with multiplexing) now just 2x 64=128 SPTS outputs specialized for IPTV operations incl. dynamic PMT support (regional TV service separating) and EIT (EPG) SPTS streaming to DATA1 and DATA2**
- **No DVB-T/T2 over DVB-S2x Multistreaming support**
- **USB-TS recording feature and TS-file Info-Channel insertion/SPTS streaming single/playlist/loop**
- **Better Output TS Service selection divided into 8 parts (1-16 ... 113-128)**
- **Compatibility with Philips Pro-TV sets by CMND software**

IPTV APPLICATION EXAMPLE

