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.
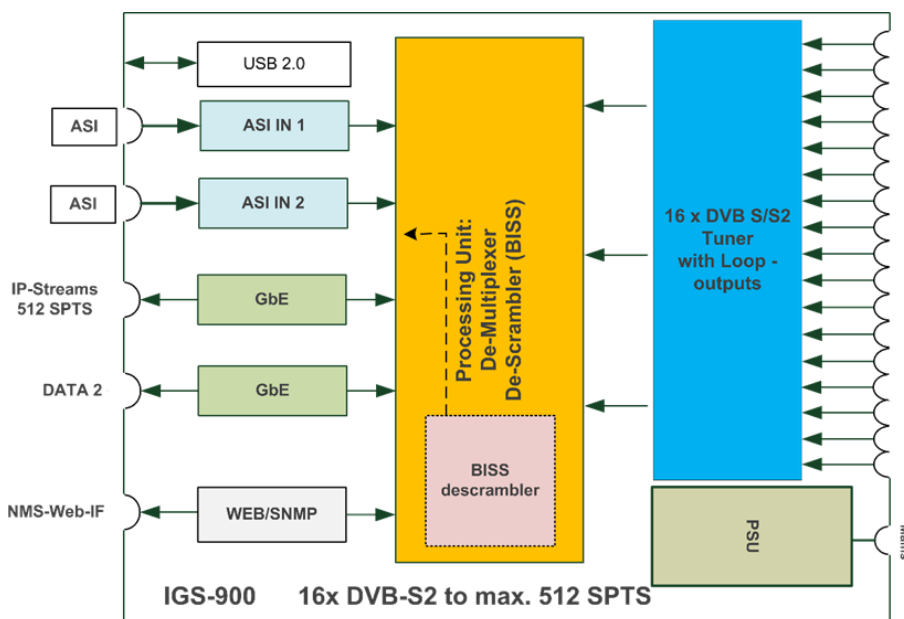
SPTS or MPTS can be selected either - or. Additional equipped with 2 ASI inputs.

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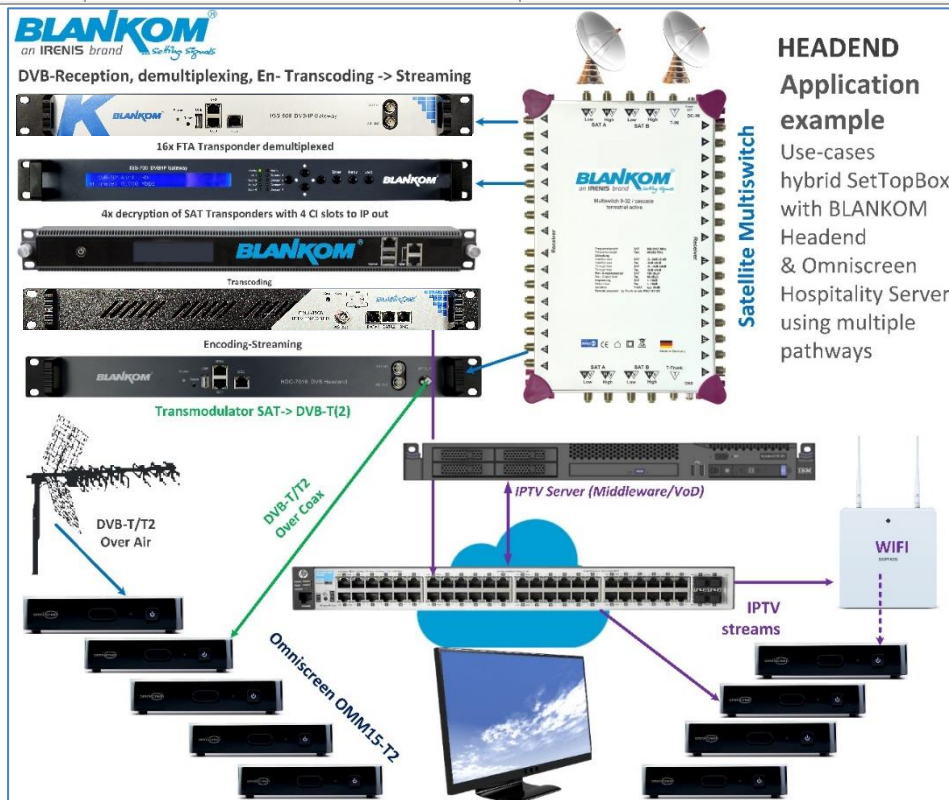
BISS descrambling function is built in. It has DiSEqC Support for selecting up to 4 different satellite positions.

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

Please check **https://www.blankom.de/downloads.html**

for the latest Quick-Start-manual PDF for downloading. Hints: Example default network settings:

NETWORK

NMS

IP Address:	192.168.0.136
Subnet Mask:	255.255.255.0
Gateway:	192.168.0.1
Web Manage Port:	80
MAC Address:	2c-c4-32-3a-02-81

Apply

DATA

GE1:

IP Address:	192.168.1.137
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1
MAC Address:	20-20-12-34-56-78

GE2:

IP Address:	192.168.1.150
Subnet Mask:	255.255.255.0
Gateway:	192.168.1.1
MAC Address:	22-b3-22-2a-01-76

Apply

The Web-Interface can also be reached by the connected GE1 or GE2 instead of NMS-IP. First start:

User/password are default: admin/admin. Note: If delivered with default settings, and you need SPTS streaming, you have to change the work-mode setting from MPTS to SPTS in the Firmware subsection:

FIRMWARE

Warning:
1. Update firmware(software and hardware) to get new function,please choose the right firmware to update.If you use a wrong file,the device may not work.
2. Update will keep a long time,please do not turn off the power, otherwise the device will not work.
3. After update,you must reboot device manually.

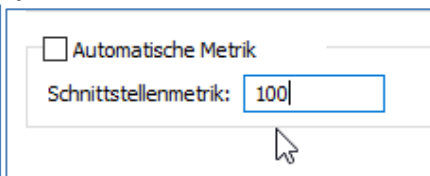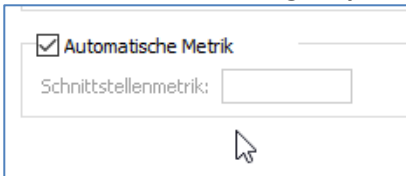|	
Work Mode:	SPTS
	SPTS
	MPTS
Current Software Version:	6.01 Build 100 Jan 27 2024

Apply

Then hard-reboot by ON/OFF Switch.

After setup the Tuners, parsing and selecting the TV/Radio Channels make sure your Output streams are getting all different <IP addresses:portNo's> (E.g.: udp://225.1.1.1:10001, udp://225.1.1.2:10002, …) avoiding collision's at the IGMP-GbE-Switch.

VLC check: If your laptop/PC has more than 1 Network card installed (e.g. WFI and GbEthernet) you must change the Metric Settings in your network card to give the UDP Multicast reception the higher priority:
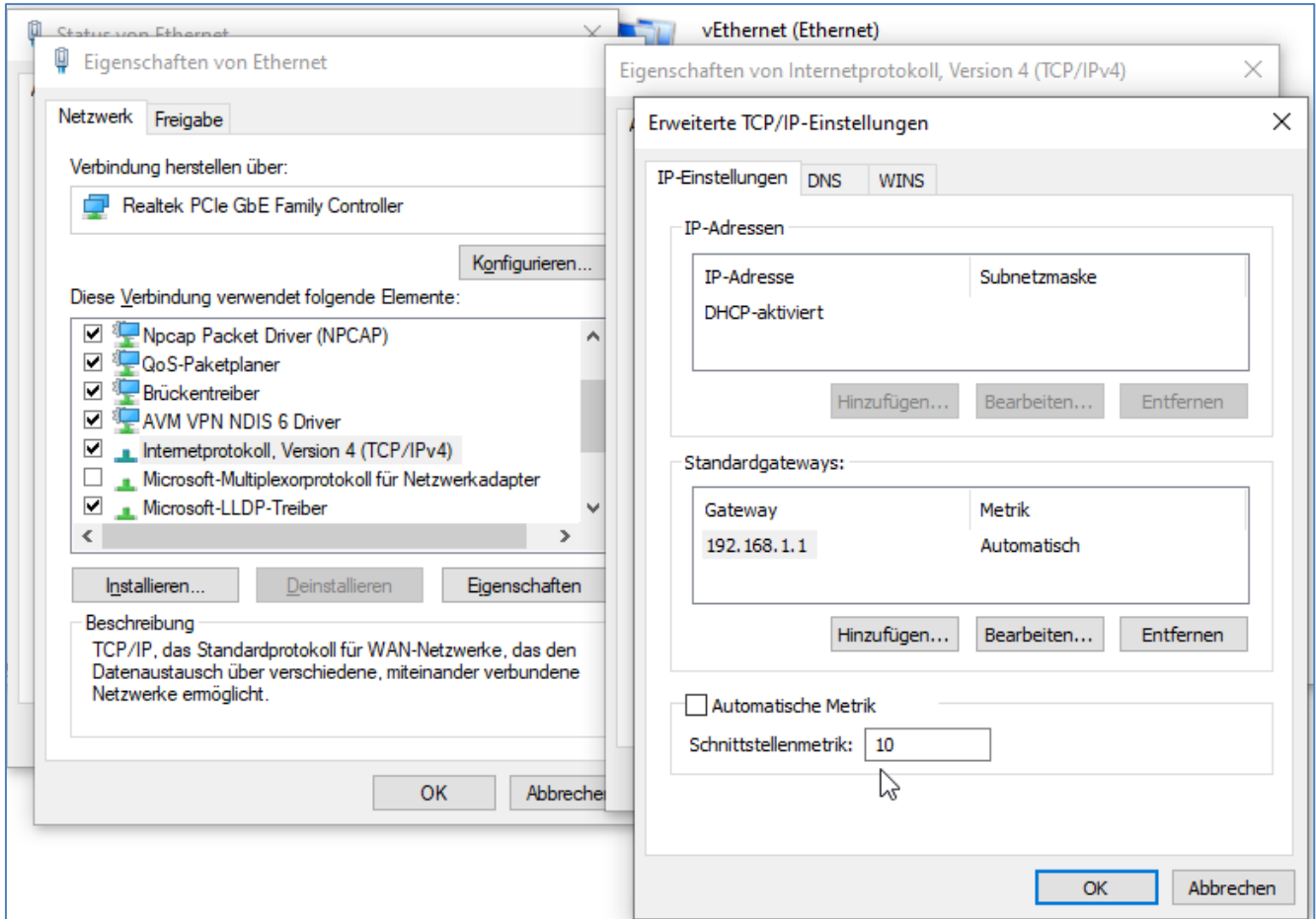
A lower value means higher priority. See WIFI can be auto or better higher value than the ethernet (10)

do not forget the @ for VLC: