

Multiprotocol IPTV Streamer with 8 Tuner Inputs

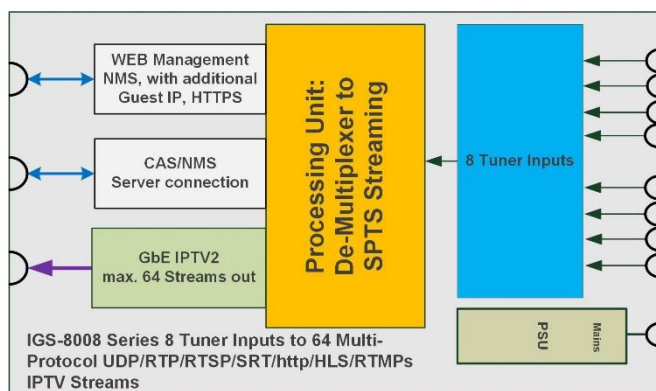


The IGS-8008 is an 8x DVB-S2x Tuner – IP-Streamer with multi-protocol IP Output Streams by UDP/RTP/RTSP/RTMP/HLS/HTTP/SRT protocols selectable. It is flexible designed for different Tuner/ Demodulator combinations to receive Satellite DVB FTA RF-Signals, such as DVB-S/S2/S2X or optional with Multi-Tuner for DVB-C/DVB-T/DVB-T2/ ISDB-T reception. Standard Version with 8 DVB-S Tuner: IGS-8008.

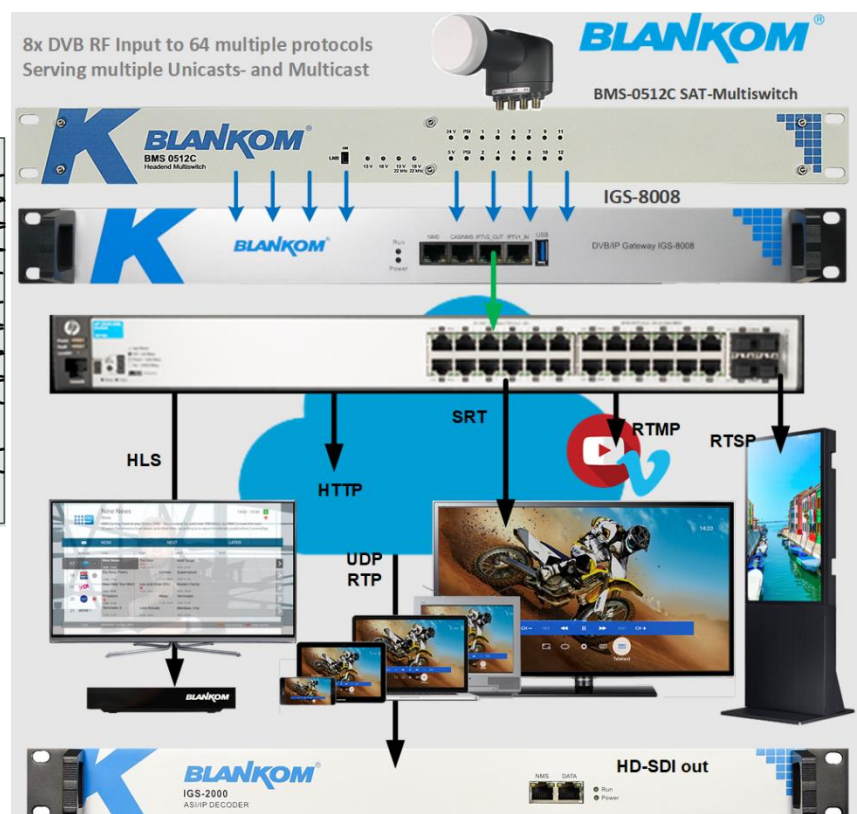
Features

- FTA DVB-S/S2/S2X or Option: DVB-C/DVB-T/DVB-T2/ ISDB-Tb Tuner inputs
- For T2 deployments: DVB-S2 Multistream (DVB-T2 TS combinations) demultiplexing and streaming
- Multi-protocol IP outputs over UDP/RTP/RTSP/RTMP/HLS/HTTP/SRT via RJ45 OUT port
- max 64 SPTS output streams, limited to the IPTV2 OUT property and protocols
- 100Mbps-400Mbps data processing for IPTV2 OUT GbE-port
- Order Option: Multi-type for different Tuner/Demodulator combinations
- Remote reboot in Web GUI management supported, simple updating via web-browser
- HTTPS support for secure management Web-Access
- Embedded BISS descrambling

Block Diagram:



Application Example:



Technical Specification:

Input Standard Version:	8 Tuner input, F Type, 75 Ohm, DVB-S2x Multistream-Support	
Streaming out:	SPTS out over UDP/RTP/RTSP/RTMP/HLS/HTTP/SRT	
Tuner input (standard):	DVB-S/S2/S2X	
Symbol rate:	QPSK/8PSK/16APSK 0.5...45 MSps; 8APSK/32APSK: 0.5...40 MSps	
Input Frequency:	950-2150MHz	
DVB-S Constellation:	QPSK	
FEC Demodulation:	1/2, 2/3, 3/4, 5/6, 7/8	
DVB-S2:	QPSK/8PSK/16APSK/32APSK	
FEC	QPSK:	1/2, 2/3, 3/4, 5/6, 3/5, 4/5, 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
DVB-S2X:	QPSK/8PSK/8APSK/16APSK/32APSK	
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, 23/36, 25/36, 13/18
	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, 2/3-L, 32/45, 11/15, 7/9, 9/10
Functions:	DiSEqC	PLS, Multistreaming
Multiplexing function:	Maximum PID Remapping: 256	
	PID remapping	automatically or manually
generate	PSI/ SI table	automatically
Descrambling:	BISS embedded	Mode 1, Mode E
Order Guide:	V 1:	no loop out for RF in
	V 2:	with loop out for RF in
Order Option 2:	8x DVB Tuner	DVB-C/T/T2/ISDB-Tb to IP
Tuner input:	8 Tuner	F Type, 75 Ohm
	Selectable	DVB-C (J.83 A/C)/J.83B/ DVB-T/DVB-T2/ISDB-T
	Input Frequency:	60MHz...890MHz
	Stream out:	SPTS out over UDP/RTP/RTSP/RTMP/HLS/HTTP/SRT
DVB-C (J.83 A/C); J.83B	Symbol rate:	1000...9000Ksps
	Constellation:	16/32/64/128/256 QAM; 64/256 QAM for J.83B
DVB-T/T2	Frequency In:	60MHz...890MHz
	Bandwidth:	5/6/7/8MHz
ISDB-T	Input Frequency:	60-890MHz
Product spec.:	Dimension(WxLxH):	367mmx482mmx44mm
	Environmental:	0...45°C(work); -20...80°C (Storage)
	Power supply:	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

Application Examples:

- As IPTV Multicast receiver-streamer
- Contribution via public Internet / CDN from 1 SAT position (e.g., Europe) to stream SRT Unicast to somewhere – dep. on bandwidth available.
- Streaming DVB/SAT-content to Media-server (WOWZA, ...) as RTMP