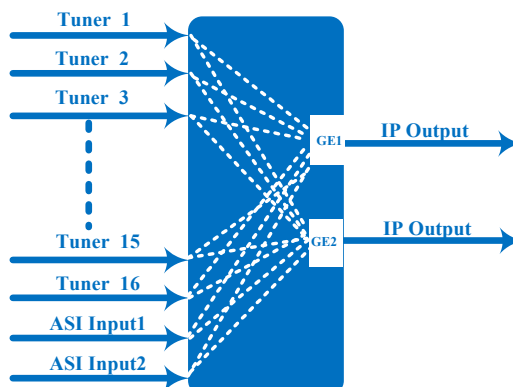# DigiSAT DSIPG-16S2

TECHNICAL /FEATURES

Outline:

DSIPG-16S2 Tuner to IP Gateway is a head-end interface conversion device which supports MPTS and SPTS output switchable. It supports 16 MPTS or 512 SPTS output over UDP and RTP/RTSP protocol. It is integrated with tuner demodulation (or ASI input) and gateway function, which can demodulate the signal from 16 tuners into IP package, or directly convert the TS from ASI input and tuner into IP package, then output the IP package through different IP address and ports. BISS function is also embedded for tuner input to descramble programs.

Key Features:

- Support 16 FTA DVB- S/S2/S2X (DVB-C/T/(T)/ISDB-T/ATSC optional)input, 2 ASI input
- Support BISS descrambling
- Support DisEqc function
- 16 MPTS or 512 SPTS output (MPTS and SPTS output switchable)
- 2 GE mirrored output (IP address and port number of GE&GE2 are different), up to 850Mbps-SPTS
- 2 independent GE output port, GE1 + GE2---MPTS
- Support PID filtering, re-mapping (Only for SPTS output)
- Support "Null PKT Filter" function (Only for MPTS output)
- Support Web operation

Working Principle

Specficatons

Input		Optional 1:16 tuners input +2 ASI input---SPTS output		
Tuner Section	Multi-mode tuners switchable **(New Type)**	DVB-C	Frequency In	60~890MHz
			Standard	J.83A(DVB-C), J.83B, J.83C
			Constellation	16/32/64/128/256 QAM
		DVB-T/(T)	Frequency In	60~890MHz
			Bandwidth	6/7/8 M bandwidth
		ISDB-T	Frequency In	60~890MHz
	Version 1	DVB-S	Frequency In	950-2150MHz
			Symbol rate	1~45 Msps
			FEC	1/2, 2/3, 3/4, 5/6, 7/8
			Constellation	QPSK
		DVB-S2	Frequency In	950-2150MHz
			Symbol rate	1~45 Msps
			FEC	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
			Constellation	QPSK, 8PSK
	Version 2 **(New Type)**	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	$\leq$ 125 Mbps
		DVB-S2	Frequency In	950~2150MHz
			Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps
BISS Descrambling		Mode 1, Mode E (Up to 850Mbps) (descramble individual program)		
Output		512 SPTS IP mirrored output over UDP and RTP/RTSP protocol through GE1 and GE2 port (IP address and port number of GE1 and GE2 are different) , Unicast and Multicast		
		16 MPTS IP output (for Tuner/ASI passthrough) over UDP and RTP/RTSP protocol through GE1 and GE2 port, Unicast and Multicast		
System		Web based management		
		Ethernet software upgrade		
Miscellaneous		Dimension	482mm×410mm×44mm (W×L×H)	
		Approx weight	3.6kg	
		Environment	0~45℃(work)；-20~80℃ (Storage)	
		Power requirements	100~240VAC, 50/60Hz	
		Power consumption	20W	