

2. PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test(EUT) is the Global Technologies Inc. Digital Satellite Receiver, Model : 3500S.

2.2 General Specification

- Chassis Type : Metal
- List of Each OSC. Or X-Tal. Freq.(>=1MHz) : 27.00 MHz

Embedded smart card slot		RF Modulator	
	1 Smart Card Reader	Connector	IEC 169-24 Male / Female
SD-CARD Interface		Frequency	CH 3 (61.25MHz) CH4 (67.25 MHz)
	1 SD-Card compatible memory card slot	Output Channel	CH 3-4
(Note : MMC CARD may be also interfaced)		TV Standard	NTSC
Front-End		Preset Channel	CH3, Changeable by Menu Screen
2 Input Connector	F-type, IEC 169-24	Front Panel	
IF Input Frequency	950MHz TO 2150MHz	4 Digits LED Display	Channel Number Display
IF Loop throughout	950MHz TO 2150MHz	8 Keys	Power, Channel Up/Down, Volume Up/Down, OK, Exit, Menu
IF Frequency	Zero-IF	Rear Panel	
Input Level	-65 dBm~ -25dBm	IF Input	F-type Connector
LNB Power	13/18VDC / 500mA Max	IF Loopthrough output	F-type Connector
DiSEqC Control	Version 1.3 Compatible	6 Phone (Cinch)	Video, Audio L, Audio R, YPbPr
Band Switching	22KHz Tone	S/PDIF Optical	
Demodulation	QPSK	Skew 3 Push Terminal (5V, GND, PULSE)	
System Rate	1~45 Msps (SCPC, MCPC)	S-VHS	
Viterbi Decoding Rate	1/2, 2/3, 3/4, 5/6, 7/8	UHF	
Reed Solomon Decoding	FEC: 204, 188, t=8	Modulator	
DiSEqC	1.3 Compatible (STAB USALS)	RS232 Serial Port	9 Pin D-sub Type
MPEG Transport Stream & A/V Decoding		Y/Pb/Pr Digital Component Video Out	
Demultiplex	According to ISO/IEC 13818-1	Remote Control	
Input Stream	Max. 90Mbit/s	Type	Infra-red
Aspect Ratio	4:3, 16:9	Battery	(Carrier Freq : 38 KHz) 2 x 1.5V AAA Type
Video Resolution	720 x 576(PAL), 720 x 480 (NTSC)	Electrical and Mechanical	
Audio Decoding	MPEG layer I and II	Input Voltage	AC90-250, 50/60Hz
Audio Mode	Single/Dual Channel, Stereo, Joint Stereo	Power Consumption	Max. 55 Watts
Audio Sampling Frequency	16/22,05/24/32/44,1 48khz	Standby Power	Less than 5 Watts
Microprocessor & Memories		Dimension	290 x 200 x 65 mm 2.1 kgs
Main Processor	STI 5518 BVB, ST20 32 bit		
CPU Clock	81MHz(100 MIPS)		
Flash Memory	2 Mbyte		
SDRAM	16 Mbyte		
EEPROM	32 kbit		
Data Port			
Connector	9 Pin D-Sub Type		
Protocol	RS232 Asynchronous		
Data Rate	Max. 19.2kbps		