



ETERNAL-S

PROFESSIONAL DVBS SATELLITE RECEIVER



Technical Specifications

General Features:

- User-Friendly Menu
- Illuminated 2x16 Characters LCD Display
- Front Panel Keypad
- POWER, LOCK and ALARM Led Indicators
- Power On/Off Switch
- Menu-Lock For Protection
- Menu Time-out Feature
- Signal Strength And BER Display
- VBI Teletext Insertion
- Hardware and Software Watchdog
- Automatic FEC Rate Detection
- Automatic Carrier Tracking
- Automatic Power-on
- Automatic Search
- Audio Language Selection
- As Signal Fails, Video is Blanked, Frozen or Color bar Pattern Displayed
- Software Upgrade Feature
- Dynamic PMT Feature
- DVB Subtitle Support (optional)
- RDS Data Output (Optional)
- BISS Mode-1(Optional), BISS Mod-E (Optional)
- BISS Descrambler at ASI Output (Optional)
- Common Interface Support (Optional)



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RF CHARACTERISTICS	Compliant Standard	DVB-S, DVB-S2 (optional)
	Demodulator	QPSK (DVB-S) QPSK (DVB-S), 8PSK (DVB-S2)
	Input Connector	F type (female), 75 Ohm
	Loop Connector	F type (female), 75 Ohm
	Frequency Range	950-2150 MHz
	Symbol Rate	1-45 Msym/sec
	FEC Coding	
	QPSK	1/2, 2/3, 3/4, 5/6, 7/8 (DVB-S)
	QPSK	1/2, 3/5, 2/3, 3/4, 5/6, 8/9, 8/10 (DVB-S2)
	8PSK	3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (DVB-S2)
	LNB Power	13/18V or Off
	22 KHz Tone	On/Off
	Diseqc	1.1
	Input Level:	-65dBm to -25dBm
VIDEO DECODING	Data Rate	1.5 – 15 Mbps
	Decoder Type	MPEG-2, 4:2:0
	Video Format	4:3 / 16:9
VIDEO OUTPUT	Video Format	Composite PAL/NTSC/SECAM
	Output Level	1 Vpp Adjustable
	Output Impedance	75 Ω
	Chroma- Luma Gain	< 5 %
	Chroma- Luma Delay	< 25 ns
	Nonlinear Luminance	< 4 %
	Main Connector Type	BNC, female
Monitor Conn. Type	BNC, female	
AUDIO CHARACTERISTICS	Decoding	MPEG-1 Layer I, II
	Mode	Mono, Dual Mono, Stereo
	Sampling Rate	32, 44.1 and 48 KHz
	Output Control	max. +18dBu (@600 Ω , adjustable in 2dB steps)
	Connectors	Dual XLR type (male)
	Output Type	Balanced
	Frequency Range	20Hz to 15KHz
	Flatness	< 1%
	S/N Ratio	> 60 dB
Crosstalk	> 60 dB	
DATA PORT	RS232	DB-9 Male Connector
	Baud Rate	9600, 19200, 38400, 57600, 115200
ASI OUTPUT *	Connector type	BNC type
	Data Rate	270Mbit/sec
	Packet type	188 byte
	BISS Decoding Mode	Mode 1, (Mode -E optional)
	BISS Program Decoding	1 program selectable from TS (up to 4 programs optional)
ETHERNET CONNECTION *	Protocol	TCP
	Connector	RJ 45
	Data Rate	10
POWER SUPPLY	Power Ratings	SMPS, 220 VAC \pm 20%, 50Hz, 3-wire
	Power Consumption	30W max.
OTHERS	Size (Height x Width x Depth)	1.75" H x 19" W x 9.4" D :44.5mm (1 RU) H x 480 W x 240 (mm) D
	Operating Temperature	-10 to 50°C (*) Optional