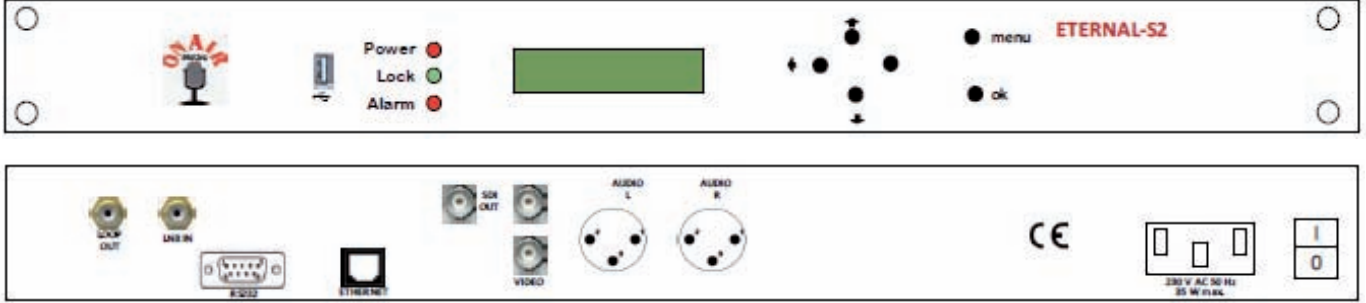




ETERNAL-S2

PROFESSIONAL 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 (Enable/Disable)
- Video and Audio Program Decoding
- Menu Time-out Feature
- Selectable BER Value / Signal Strength Display
- VBI Teletext Insertion
- Hardware and Software Watchdog
- Automatic FEC Rate Detection
- Automatic Carrier Tracking
- Automatic Power-on
- Automatic Search
- Audio Language Selection
- BISS Mode-1, Mod-E (optional)
- As Signal Fails, Video is Blanked, Frozen or Color bar Pattern Displayed
- Software Upgrade Feature over USB
- Dynamic PMT Feature
- C- / KU Band Reception
- DVB Subtitle Feature (optional)
- Remote Access via RS232 (optional)
- PAL, SECAM and NTSC systems

(* Depending on the configuration, rear panel will change.)



ETERNAL-S2

PROFESSIONAL SATELLITE RECEIVER

Technical Parameters		
RF CHARACTERISTICS	Compliant Standard	DVB-S, DVB-S2 (optional)
	Demodulator	QPSK, 8PSK
	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	
	S1-QPSK	1/2, 2/3, 3/4, 5/6, 7/8
	S2-QPSK	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10
	S2-8PSK:	3/5, 2/3, 3/4, 5/6, 8/9, 9/10
	Automatic selection	
	LNB Power	13/18V or Off
	22 KHz Tone	On/Off
	Diseqc	1.0
Input Level:	-65dBm to -25dBm	
VIDEO DECODING	Video System	PAL, NTSC, SECAM
	Video Format	4:3, 16:9 (Letterbox, Full)
	SD Decoder (4:2:0)	MPEG2 MP@ML (SD)
	HD Decoder (optional) (4:2:0)	
	MPEG4 MP@L4.1 and HP@L4.1 (H264 HD)	
	MPEG4 MP@L3.1 (H264 SD)	
VIDEO OUTPUT	MPEG2 MP@HL (HD)	
	MPEG2 MP@ML (SD)	
	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	AC3/E*AC3 (optional), AAC+ (optional), MPEG1 layer 1, 2
	Mode	Mono, Dual Mono, Stereo
	Sampling Rate	32, 44.1 and 48 KHz
	Output Control	max. +18dBm (@600 Ω, adjustable)
	Connectors	Dual XLR type (male)
	Output Type	Balanced
	Frequency Range	20Hz to 20 KHz
	Flatness	< 1dB
	Harmonic Distortion	< 0.5%
	S/N Ratio	> 60 dB
Crosstalk	> 60 dB	
AES/EBU AUDIO OUTPUT *	Connector type	XLR type (male)
	Mode	Mono, Dual Mono, Stereo
	Sampling Rate	32, 44.1 and 48KHz, Adjustable
	Impedance	110 Ω
ASI OUTPUT *	Connector type	BNC type
	Data Rate	270Mbit/sec
	Packet type	188 byte
	BISS Decoding Mode	Mode 1, (Mode -E optional)
ETHERNET CONNECTION - MANAGEMENT *	BISS Program Decoding	1 program selectable from TS (up to 4 programs optional)
	Protocol	TCP/IP
	Connector	RJ 45
HD-SDI/SD-SDI OUTPUT *	Data Rate	10/100 Mbps
	Connector type	BNC type
	Data Rate	1.485Gb/s
USB HOST INTERFACE	Embedded Data	Audio Channels
	Mode	USB 2.0
	Baud Rate	480Mbit/s
COMMON INTERFACE *	Features	Software Upgrade, Logging, (Stream Recorder/Player-Optional)
	2 Slots, All traditional CAM modules are supported.	
USB HOST INTERFACE	RS232	DB-9 Male Connector
	Baud Rate	9600, 19200, 38400, 57600, 115200
POWER SUPPLY	Power Ratings	SMPS, 220 VAC 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
	Baud Rate	480Mbit/s
	Operating Temperature	-10 to 50°C

(*) Optional