



PROFESSIONAL DIGITAL SATELLITE RECEIVER E-200

PRODUCT INFORMATION

- High quality professional digital satellite receiver
- For operation in Cable-TV head-ends
- Common Interface for various encryption standards
- Embedded Conax decryption
- Video (BNC) and stereo audio (XLR) outputs
- Monitor outputs (video and audio)
- PAL/SECAM/NTSC operation

Technical Specification (Preliminary)

Specification may change without notice

Aurora E-200 Digital Satellite Receiver

QPSK SATELLITE RECEIVER

Input Frequency	950 to 2150 MHz
LNB connector	Type F female, 75 ohm
Input Level	-65 to -25 dBm
Spectral inversion	Automatically processed (Ku-Band & C-Band)
DC at IF in	Auto, Off, +13V, +18V programmable (short circuit protected)
22kHz to LNB Symbol Rate	Auto, On or Off programmable 2 to 45 Mbaud
DVB compliant	DVB-S
Error correction	Viterbi (1/2, 2/3, 3/4, 5/6, 7/8) +Reed Solomon (188/204) +Interleave (I=12)

MPEG DECODER - VIDEO

Output standards	PAL, SECAM or NTSC
Impedance	75 ohm
Output connectors	Monitor: Phono, female (yellow) Video out: BNC
Output level	1 Vpp @ 75 ohm
Aspect Ratio conversion	Letterbox, Pan/Scan, or Combined (14:9) programmable
Teletext	Insertion in VBI
Subtitling	Teletext or DVB subtitling
Decryption	Embedded Conax plus Common Interface for other standards (tested with Viaccess, Irdeto, Cryptoworks, Aston (Mediaguard, Seca), Conax, Alphacrypt)

MPEG DECODER - AUDIO

Output	Stereo or Mono programmable
Output connector	Type Phono, female (R red, L left) XLR, balanced
Impedance	< 100 ohm
Output level	Phono: Typ. 0dBm @ 600 Ω (0.77 Vrms) variable XLR: Typ. 11dBu

OTHERS

Power supply	230 VAC
Power consumption	Typ. 6W without CAM and external load (Note: Power supply requirement depending on how much external power is fed via the unit. Typ. CAM <1W, typ. LNB <3W, Max. LNB current at +18V = 7.2W 400 mA)
Max. current at LNB in:	400 mA
Dimensions	480x170x40 mm (excluding connectors), approx. 2.8kg (software included)
Weight	approx. 2.8kg
Controller	Palm handcomputer or PC (software included)
Control connector	9P Dsub, male
Smartcard connector	ISO 7816
CAM connector	PCMCIA
Indicator lights	"on", "transmission error", "access error"
Operating temperature	0 to +45°C