



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)
LNB Voltage	Auto, Off, +13V or +18V programmable (short circuit protected)
22kHz to LNB	Auto, On or Off programmable
Symbol Rate	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 ohms
Output connector	Type Phono, female (yellow)
Output level	1 Vpp +/- 5% @ 75 ohms
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 white)
Impedance	< 100 ohms
Output level	Typ. 0dBm @ 600 ohms (0.77 Vrms), variable

MODULATOR

UHF output frequency	470 - 860 MHz (full coverage) channel or frequency programmable
VHF output frequency	47 - 470 MHz (all channels programmable but certain limitations in combination of channels, see manual) channel or frequency programmable.
Output level	Typ. 95 dBuV, fixed
Modulation standards	DSB AM, standard B/G, I, D/K, H, L, and M/N selectable (operation on every second channel only)
Spurious level	UHF operating: typ. < -60dBc within band VHF operating: typ. < -60dBc except on harmonic frequencies (see manual for usable combination of channels)
RF output connector	Type F, 75 ohms
Audio	FM or AM, 4.5, 5.5, 6.0 or 6.5 MHz depending on selected standard

OTHERS

Power supply	DC 7.5 V nom. (6 - 9 V),
Power consumption	Typ. < 5W without CAM and external load (Note: Power supply power requirement depending on how much external power fed via the unit. Typical CAM < 1W, typical LNB < 3W, maximum outdoor electronics feed through unit 7.2W (400mA@18V) means < 15W.)
Dimensions	165x105x20 mm (excluding connectors), panel 35x128 mm (7TE x 3HE)
Weight	approx. 330 g (without CAM)
Mounting	Direct on wall with separate bracket or in 19-inch rack box (H or V)
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

(This specification may be subject to change without notice)