

# ETA-100

## Professional digital terrestrial receiver



### PRODUCT INFORMATION

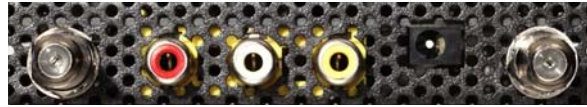
- High quality professional digital terrestrial receiver
- COFDM to AM transmodulation
- Embedded High quality DSB modulator
- For operation in SMATV and Cable-TV head-ends
- Embedded Conax
- Common Interface
- 16:9/4:3 conversion, letterbox, Pan-scan, 14:9
- Video (phono) and stereo audio (phono) outputs
- PAL/SECAM/NTSC operation
- Settings with PC or PALM PDA
- Low power consumption



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### Professional digital terrestrial receiver

#### COFDM TERRESTRIAL RECEIVER

Input Frequency 47-860 MHz  
LNB connector Type F female, 75 ohm  
Input return loss 7 dB  
Input level range -75 to -35 dBm<sup>1)</sup>  
C/N limit 18 dB<sup>1)</sup>  
Bandwidth 6/7/8 MHz  
DVB compliance DVB-T  
Co/adj channel Compliant to Nordig 2  
PAL

<sup>1)</sup>QEF reception with test signal :8K, 64 QAM, ¼ guard interval, 2/3 FEC

#### MPEG DECODER - VIDEO

Output standards PAL, SECAM or NTSC  
Impedance 75 ohm  
Output connectors Phono, female (yellow)  
Output level 1 Vpp @ 75 ohm  
Aspect Ratio Letterbox, Pan/Scan, or conversion Combined (14:9) programmable  
Teletext Insertion in VBI  
Subtitling Teletext or DVB subtitling  
Decryption Embedded Conax, Common Interface

#### MPEG DECODER - AUDIO

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

#### MODULATOR

UHF output frequency 470 - 860 MHz (full coverage)  
Channel or frequency programmable  
VHF output frequency 47 - 470 MHz (limited operation, see manual)  
Output level typ. 95 dBuV, fixed  
Modulation standards DSB AM, standard B/G, I, D/K, H, L, M/N selectable (operation on every second channel only, see manual)  
Spurious level UHF operating: typ. < -60dBc within band  
VHF operating (see manual)  
RF output connector Type F, 75 ohm  
Audio FM or AM, 4.5, 5.5, 6.0 or 6.5 MHz depending on selected standard

#### OTHERS

Power supply 6-9 VDC (7,5 V nom.)  
Power consumption Typ. 6 W  
Dimensions 160x105x20 mm (excluding connectors)  
Weight approx. 330 g  
Controller Palm handcomputer or PC (software included)  
Control connector 9P D-sub, male  
Indicator lights "on", "transmission error", "access error"  
Operating temperature 0 to +50°C