

## T9707 Analogue TV Monitoring Receiver

*The T9707 is designed for monitoring analogue TV transmitters or as securization tunable receiver*



### Digital & Analogue TV Broadcast & Transmission Monitoring & Measurement Equipments & Systems

#### Corporate Backgrounder

Since 1988 Nortek is one of the leading french manufacturers of professional television equipments dedicated to broadcast networks both for digital (DVB) and analogue TV standards.

Equipments & systems are designed in the Nortek laboratory by team of highly experimented engineers specialists in radiofrequencies technologies, digital signal processing and embedded softwares.

Nortek equipments are used for transmission, measurement and monitoring applications in terrestrial TV transmitters networks, satellite receiving sites and cable head-ends.

- Available for systems BG, DK, I, L, K1
- Frequency tuneable in full TV bands VHF, UHF and interbands
- 100 channels easily stored and selectable
- Demodulated video and audio outputs
- Nicam intercarrier and decoded audio outputs (\*)
- Easy access to configuration data on front panel by display and keyboard
- Alarms on relays for video and sound sub-carrier presence
- Alarms on relays on Nicam subcarrier presence and Nicam BER(\*)
- Full remote control through RS 232 serial link
- 19" 1U cabinet 100/240 V- 47/60 Hz power supply

(\*) : following the selected option





# T 9707 Analogue TV Monitoring Receiver

## RF INPUT

RF input on rear panel  
 Impedance: 50  $\Omega$  or 75  $\Omega$  on request  
 Connector: N female or BNC female on request  
 Full frequency range: VHF and UHF bands from 48.25 MHz to 855.25 MHz  
 Frequency step: 62,5 KHz  
 Input level rang: - 27 to - 62 dBm

## VIDEO OUTPUT

2 identical outputs: 1 on rear and 1 on front panel  
 Impedance: 75  $\Omega$   
 Connector: BNC female  
 Nominal out put level: 1 Vcc  
 Signal to noise weighted: > 54 dB for RF level = -30 dBm  
 Frequency response 100 KHz-4.43 MHz:< +/- 1; 5 dB typical  
 Differential gain: < +/- 5% typical  
 Diffrential phase: < +/- 5° typical

## AUDIO OUTPUT (analogue sub-carrier)

2 outputs:  
 1 symetrical output on rear panel  
 Connector: XLR 3 points male  
 Level adjustable from 0 to + 15 dBm / 600 W  
 1 control output on front panel:  
 Connector: cynch stereo

## NICAM INTERCARRIER OUTPUT (\*)

2 identical outputs: 1 on rear and 1 on front panel  
 Impedance: 75  $\Omega$   
 Connector: BNC female  
 RL: > 20 dB.  
 Carrier frequency: 5.85 MHz

## NICAM DECODED AUDIO OUTPUTS (\*)

3 outputs:  
 2 symetrical output on rear panel (left and right sounds)  
 Connectors: 2 x XLR 3 points male  
 Level adjustable from 0 to + 15 dBm / 600  $\Omega$   
 1 stereo control output on front panel  
 Connector: cynch stereo

## ALARMS

Video missing  
 Analog sound sub-carrier presence  
 Nicam sub-carrier presence  
 Nicam Bit error rate

## GENERAL SPECIFICATIONS

Full remote control of configuration data, and alarms transmission by RS 232 link

Power supply: 100 - 240 V AC, 47 - 60 Hz.  
 Consumption: < 30 VA.  
 Cabinet: 19" 1 U rack mounting unit - depth: 450 mm  
 Temperature range:  
 Within specs: +5 to 40 °C  
 Operation: 0 to 45 °C  
 Storage: -20 to 80°C

## ORDERING DESIGNATION

**Analogue TV Monitoring Receiver**

**T9707 1: Standard L**

**T9707 2: Standard BG**

**T9707 7: Standard I**

**T9707 8: Standard DK**

**/ Nicam: Nicam option**

Revision: June 2007 • Technical specifications are subject to change without prior notice

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