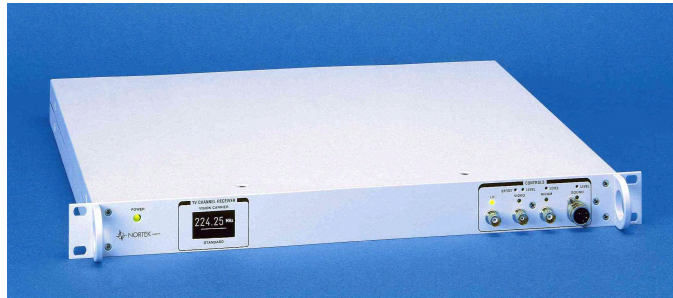


T9520

ANALOGUE TV CHANNEL RECEIVER



Designed for high quality receiving terrestrial TV channels in standards BG, DK, I, K1 for retransmission on cable networks or rebroadcasting by terrestrial transmitters

Highlights

- Standards BG, DK, I, K1
- Tuned on one specified channel in TV bands VHF III or UHF IV-V with selective input filter
- High quality demodulation by SAW filter and synchronous detection
- 5,85 MHz Nicam output*
- Alarms status signalling by “dry contacts”
- 1 U 19” rack mounting unit – 100/240 V – 47/60 Hz

() according to the selected version*

RF Characteristics

Input on rear panel
Impedance : 50 Ω
Connector : N female (BNC upon request)
Return Loss: > 15 dB in the channel frequency band
Input Level: -57 to -37 dBm (50 to 70 dB μ V)
Vision carrier frequency has to be specified on the order
in TV bands VHF III or UHF IV-V

IF Characteristics

Output on front panel
Impedance: 50 Ohms
Connector: BNC female
Return Loss: > 16 dB
Output Level: +15 dB up to the input R.F. level
Output Frequency: 38.9 MHz (Vision Carrier)

VIDEO Characteristics

2 identical outputs (1 on front panel and 1 on rear panel)
Impedance: 75 Ohms
Connector: BNC female
Return Loss: > 18 dB
Nominal output Level (for standard modulation of 90%): 1Vcc
Level adjustment : +/- 3 dB on front panel
Black level : 0 V (adjustable on front panel: +/- 300mV).
Video amplitude variation within RF level input range : < +/- 5 %
Luminance non Linearity: < +/- 5%
Differential Gain: < +/-3%
Differential Phase: < +/-3°
Tilt: < +/-3%
2T amplitude (ref. to bar ampl.): < +/-5%
Synchro / Luminance Ratio: < +/-3%
Chrominance-Luminance Intermodulation: < +/-3%
Chrominance / Luminance Delay: < +/- 30 ns
Amplitude / Frequency Response 0-4.6 MHz: < +/- 0.5 dB
Video Signal / Noise ratio (CCIR 567-1):
> 60 dB w.r.m.s. at - 37 dBm level input
> 53 dB w.r.m.s. at - 47 dBm level input
> 43 dB w.r.m.s. at - 57 dBm level input

Group Delay Characteristic: must be specified on order.

NICAM Characteristics (T9520 1 only)

2 identical outputs (1 on front panel and 1 on rear panel)
Impedance: 50 Ohms.
Connector: BNC female.
Return Loss: > 25 dB
Output level: -2 dBm
Level adjustment: +5 to -15 dBm on front panel
Amplitude / frequency resp. (5.85 +/- 250 KHz): < 1 dBpp
Rejection of frequencies < 5.1 MHz : > 30 dB
Rejection of frequencies > 6.5 MHz : > 30 dB
There is no rejection of analog sound carrier at 5.5 MHz
Group delay (5.85 +/- 0.250 MHz): < 100 ns pp

AUDIO Characteristics

2 identical outputs (1 DIN type on front panel and 1 XLR type on rear panel).
Characteristics are available for 5.5 & 5.74 MHz sound carriers :
1 balanced output on rear panel:
Max Level: + 15 dBm
Output Level with Fmod=1 kHz & $\delta F = 50$ KHz): +12 dBm
Connector: XLR 5 male
Level adjustment: +/- 3 dB on front panel
Impedance: < 40 Ohms
Signal/Noise ratio (weight. quasi peak. CCIR 468-3): > 53 dB
(at a R.F. input level = -47 dBm)
Amplitude/Frequency response (40 Hz - 15 kHz): < +0.5/-1dB
Harmonic distortion (40 Hz - 7.5 kHz, $\delta F = 50$ KHz): < 1 %

1 balanced control output on front panel :
Connector : DIN 5 female.
Impedance: < 40 Ohms.

General Specifications

Power Supply: 100 - 250 V AC, 47 - 60 Hz
Consumption: < 30 VA
Standard rack mount type : 19", 1U, 450 mm depth
Specifications are guaranteed in temperature range: + 5 à + 45 °C
Operation Temperature: 0 à + 50 °C
Storage Temperature: -20 à +80 °C

ORDER DESIGNATION :

T9520 1: TV Receiver standard B/G, one specified channel in TV bands VHF III or UHF IV-V, one analog sound at 5.5 MHz + Nicam intercarrier output at 5.85 MHz

T9520 3: TV Receiver standard B/G, one specified channel in TV bands VHF III or UHF IV-V, one analog sound at 5.5 MHz.

Channel frequency must be defined on the order.

NORTEK

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*Technical specifications are subject to change
without prior notice*