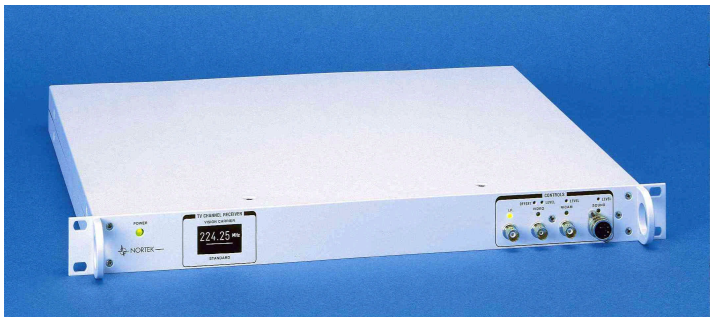
ANALOGUE TV

T9520

ANALOGUE TV CHANNEL RECEIVER



Designed for high quality receiving terrestrial TV channels in standards BG, DK, I, K1 for retransmission on cable networsk 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

T9520 ANALOGUE TV CHANNEL RECEIVER standard DK

RF Characteristics

Input on rear panel
Impedance : 50 or 75 Ω
Connector : N female (50 ohms) - BNC (75 ohms)
Return Loss: > 15 dB in the channel frequency band
Input Level: -57 to -37 dBm (50 to 70 dBµV)
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 87,5%): 1Vcc
Level adjustment : +/- 3 dB on front panel
Black level : 0 V (adjustable on front panel: +/- 300mV).
AGC mode : 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 (option)

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
Group delay (5.85 +/- 0.250 MHz): < 100 ns pp

AUDIO Characteristics

2 identical demodulated outputs (1 DIN type on front panel and 1 XLR type on rear panel).

1 balanced output on rear panel:
Max Level: + 15 dBm
Output Level with Fmod=1 kHz & δF = 50 KHz): +12 dBm
Connector: XLR 3 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 distorsion (40 Hz - 7.5 kHz, δF = 50 KHz): < 1 %

1 balanced control output on front panel :
Connector : DIN 3 female.
Impedance: < 40 Ohms.

General Specifications

Alarms status by "dry-contacts"
Power Supply: 100 - 250 V AC, 47 - 60 Hz
Consumption: < 30 VA
Cabinet : 19 ", 1U , 450 mm depth
Specifications are guaranted in temperature range: + 5 to + 45 °C
Operation Temperature: 0 à + 50 °C
Storage Temperature: -20 à +80 °C

ORDER DESIGNATION :

T9520 8 / DK / 50 : TV channel receiver system DK - RF Input 50 Ω
T9520 9 / DK / 75 : TV channel receiver system DK - RF Input 75 Ω
/Nicam :Nicam intercarrier output 5,85 MHz option

Channel frequency must be specified with the order.

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Edition July 2006