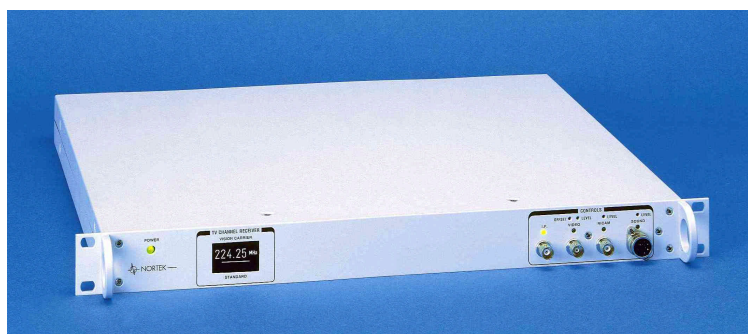


T9520

ANALOGUE TV CHANNEL RECEIVER



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

Highlights

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

() according to the selected version*

RF Input Specifications

Impedance & connector :
N, 50 Ω , female
Return Loss : > 12 dB
Input Level : -37 to - 57 dBm.
Vision Carrier Frequency Range: 170-230 MHz & 470- 860 MHz
The receiver is tuned on the carrier frequency specified at the order.
Frequency accuracy : <+/- 5 kHz.
Lock & Hold range : > +/-30 KHz.

IF output Specifications

Impedance and connector : 50 Ω , BNC female.
Return Loss : > 12 dB
Level : +15 dB upon RF level
Frequency : 38.9 MHz (Vision Carrier)

VIDEO Spécifications

2 outputs : 1 on front panel & 1 on rear panel
Impedance and connector : 75 Ohms, BNC female
Return Loss : > 20 dB
Amplitude (for standard modulation of 80%): 1Vcc (adjustable on front panel)
Black reference : 0 V (adjustable on front panel)
Level variation with black to white video modulation ,
In A.G.C mode : < +/- 1 %.
Luminance non linearity : < +/- 5%
Differential Gain : < +/- 3%
Differential Phase : < +/-3°
Tilt : < +/-3%
2T amplitude (ref. to bar ampl.) : < +/-5%
Synchro / Luminance Ratio : < +/-2%
Chrominance-Luminance Intermodulation: < +/-2%
Chrominance / Luminance Delay < +/- 30 ns
Amplitude / Frequency Response 0 – 5.1 MHz : < +/- 0.5 dB
Group Delay 0-4.43 MHz : < +/- 30 ns
S/N rms weighted (CCIR 567-1) : > 61 dB at – 37 dBm level
> 54 dB at –47 dBm level

Nicam Spécifications

2 intercarrier outputs: 1 on front panel & 1 on rear panel :
Frequency : 6.552 MHz (residual 6 MHz sound carrier is present)
Impedance : 50 Ohms.
Connector : BNC female.
Return Loss : > 20 dB
Front panel output level : adjustable from 0 to –10 dBm
Rear panel output level : -20 dB below front panel output
Eyeheight : > 75 %

Audio Specifications

2 outputs :
(demodulated analog sound carrier)
1 balanced output on rear panel :
Connector : XLR 3 male
Max Level : + 15 dBm
Nominal output Level with Fmod=1 kHz,& $\delta F_{deviat.}=50$ kHz) :
+12 dBm
Level adjustment : +6 to +15 dBm
De-emphasis : 50 μ s
S/N weighted Quasi Peak (CCIR 468-3) > 53 dB.
Amplitude/Frequency Response (40 Hz - 15 kHz) < +0.5/-1dB
Harmonic Distorsion (40 Hz - 7.5 kHz, $\delta F = 50$ kHz) < 1 %
1 balanced control output on front panel :
Connector : DIN 3 female
same specifications as rear output

Special Features

On Front Panel :

IF Control Output : 38,9 MHz.
Adjustments on front panel :
Video amplitude and black level
Nicam output RF level
Audio level
On rear panel :
Alarms by "dry-contacts"

General Specifications

Power Supply : 100 - 240 V AC, 47 - 60 Hz.
Consumption: < 30 VA
Mechanical : 19"-1U cabinet- 450 mm depth
Guaranteed Specifications : + 5 to + 45 °C
Operation Temperature : 0 to + 50 °C
Storage Temperature : -20 to +80 °C

ORDER DESIGNATION :

T9520 6 / I : TV channel receiver system I - RF Input 50 Ω
T9520 7 / I+Nicam : TV channel receiver system I+Nicam - RF Input 50 Ω
+The receiver is tuned on the carrier frequency specified at the order.

NORTEK

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*Technical specifications are subject to change
without prior notice*