

# satlook

## NIT COLOR



### Features

- DVB satellite-receiver 920-2150MHz
- Spectrum-analyzer with expanded spectrum
- Automatic Satellite identification
- Super bright 5" 16:9 TFT-LCD color display
- DVBS (Free to Air) and Analog TV-picture
- Digital BER, QPSK and S/N-ratio
- Satellite-ID and TV/Radio-channel info
- DiSEqC according to level 1.0, 1.1 and 1.2
- LNB voltage 13/18V, 22KHz tone switch
- KU- and C-band (normal/inverted video)
- Lots of memory positions for spectrum pictures
- Tuneable audio bandwidth 5.5-8.5MHz
- RS232 for PC-connection (up/download)
- Rechargeable Li-Ion battery
- Nice & small, only 3Kg complete with carrying case

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## NIT COLOR

The SATLOOK NIT COLOR is a swedish made SAT-TV instrument and spectrum-analyzer. The unit is made for exact alignment and adjustment of satellite-dishes. It is intended for professional use when high accuracy and precise information are needed.

It´s easily operated without a lot of unnecessary buttons and knobs. The basic functions are easy to get a hold on and takes only minutes to learn.

The instrument is provided with a 5" 16:9 LCD-monitor which either shows "Free to air" SAT-TV-channel (Digital or Analog), the frequency spectrum 920-2150 MHz (or parts thereof) alt. Digital data. Menus/help-displays are shown on the LCD-screen (64x128) beside the monitor.

"Free to air" Digital (DVB-S, QPSK) and Analog SAT-TV channels can be tuned in and viewed upon (Multistandard Video PAL, NTSC and SECAM). Audiofrequencies between 5.5 - 8.5 MHz can be listened to.

The spectrum can be expanded (zoom in) for correct adjustment of the polarisation ("cross-polarisation"). The instrument has very high resolution and accuracy. It presents measured data  $\pm 2$  dB (at around 20 °C).

SATLOOK NIT COLOR presents, under one of the sub menus, digital information like BER (bit error rate), constellation-diagram (QPSK) and S/N (signal/noise ratio).

SATLOOK NIT COLOR can identify the various TV satellits by reading out the NIT in the bitstream (NIT = Network Information Table). The NIT also contains info about the transponders TV and Radio channels.

SATLOOK NIT COLOR can handle a lot of memory-positions and both spectrum-pictures and certain frequencies can be saved (both analog and digital transponders).

The polarisation of the LNB is switchable 13V/ 18V and the Hi-Lo band with 22 kHz-tone. The DiSEqC-function controls all DiSEqC-accessories (like switches, LNB´s and actuators).

The power of the instrument is supplied by a built in and rechargeable Li-Ion battery. Even though the instrument has a lot of functions it is still very light and flexible.

### Technical specification.

<b>Input frequency:</b>	920-2150MHz, easily reduced to 250 MHz (max zoom in).
<b>Frequency display:</b>	Yes, IF default. All standard LNB L.O. can be setup.
<b>Min level in:</b>	About 35 dB $\mu$ V (noise).
<b>Max level in:</b>	About 90 dB $\mu$ V.
<b>Attenuation:</b>	15 dB attenuator on/off.
<b>Display of signallevel: (analog)</b>	dB on LCD-monitor. Pitch-tone.
<b>Accuracy:</b>	$\pm 2$ dB (at +20 °C)
<b>Display of signallevel: (Digital)</b>	S/N (signal/noise-ratio) BER (bit error rate) Constellation (QPSK)
<b>Satellite-identification:</b>	Yes, by reading out the NIT in the beatstream. Info about the TV and Radio channels.
<b>TV/Audio standard:</b>	Multi TV/ Audio (PAL, NTSC, SECAM). Yes, selectable.
<b>KU- C-band:</b>	Adjustable between 5.5 and 8.5 MHz
<b>Audio bandwidth :</b>	75 Ohm, BNC-con.
<b>Input impedance:</b>	5" 16:9 TFT-LCD monitor
<b>Picture-screen:</b>	On LCD 64x128.
<b>Menus:</b>	100 spectrum pictures can be stored with name. Stored spectrum can be mixed for easy identification of satellite.-"Maxhold"-function.
<b>Memory:</b>	Yes, RS232-output
<b>PC-connection:</b>	Yes, 13-18V.
<b>Power out:</b>	Yes, on/off.
<b>22 kHz tone:</b>	Yes, all 1.0 and 1.1. Also Toneburst on/off.
<b>DiSEqC:</b>	Built in positioner for DiSEqC 1.2, SatScan and SatSelect.
<b>DiSEqC actuator:</b>	Rechargeable 12v, 3.5 amp/hour.
<b>Battery:</b>	About 1 hour on a fully charged battery.
<b>Operational:</b>	About 3 kg incl.battery.
<b>Weight:</b>	Nylon carrying-case.
<b>Accessories:</b>	Power-supply, 220v/13.5v, 1.7amp. Car-charger. BNC/F-adapter.



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