

Hot Products Related To This Item



What's the difference between black and white color:

1. White is 30cm less than black SMA male to male cable
RG174 cable SMA female to female connector
2. Black has a shield (anti-interference), white is not available
3. White is the carton package, black is the plastic case packaging
4. Above all, this white version is More cost-effective than black verison.

Descriptions:

This is a DIY product with vector network measurement function. It includes a 2.8-inch touching screen, TX/RX measurement, can determine the complete S11 and S21 parameters, if you need to get S12 and S22, you need to manually replace the transceiver port wiring.

Features:

The PC control software can export (snp) files, which can be used for various radio design and simulation software.

The improved frequency algorithm can use the odd harmonic extension of si5351 to support the measurement frequency up to 900MHz.

It is mainly for the study of customers who can DIY, you need to prepare the SMA cable yourself.

It has no metal shield. The main advantage is that users with strong hands-on ability can open the machine to view the circuit structure. However, when measuring frequencies above 300M, it is easy to be interfered by other signals. So this product is recommended for learning principles and use at lower frequencies.

The 50k-300MHz frequency range of the si5351 direct output provides better than 70dB dynamic.

The extended 300M-600MHz band provides better than 50dB of dynamics, and the 600M-900M band is better than 40dB of dynamics.

Small and portable, easy to use, this project aims to provide an RF gadget but useful instrument for enthusiast.

Specifications:

Material: PCB

Color: white

Measurement frequency: 50KHz~300MHz

(50KHz~900MHz, enable extended firmware)(the products will be updated with the latest firmware before shipping, the actual measurement frequency is 50KHz~900MHz)

RF output: -13dbm (maximum -9dbm)

Frequency accuracy: <0.5ppm

Measurement range: 70dB (50KHz-300MHz), (50dB (300M-600MHz), 40dB (600M-900MHz) enable extended firmware)

Port SWR: <1.1

Display: 2.8 inch TFT (320*240)

USB interface: USB type-C

Communication mode: CDC (serial)

USB: 5V 120mA

Battery: 1 * lithium battery, 3.7V, 450mAh (included)

Number of calibration points: 101 (fixed)

Number of scanning points: 101 (fixed)

Display tracking: 4, Marking: 4, Setting save: 5

PCB size: 85.5 * 54 * 11mm / 3.4 * 2.1 * 0.4in (without connectors and switches)

Package size: 190 * 100 * 30mm / 7.5 * 3.9 * 1.2in

Package weight: 139g / 4.9ounce

Note: This product does not contain SMA cable, you need to prepare yourself.

And batteries are not included because of the safety of international transportation. But we have reserved a power management IC, you can weld your own batteries.

Or use other power sources, such as power bank, to supply power to it through USB interface.



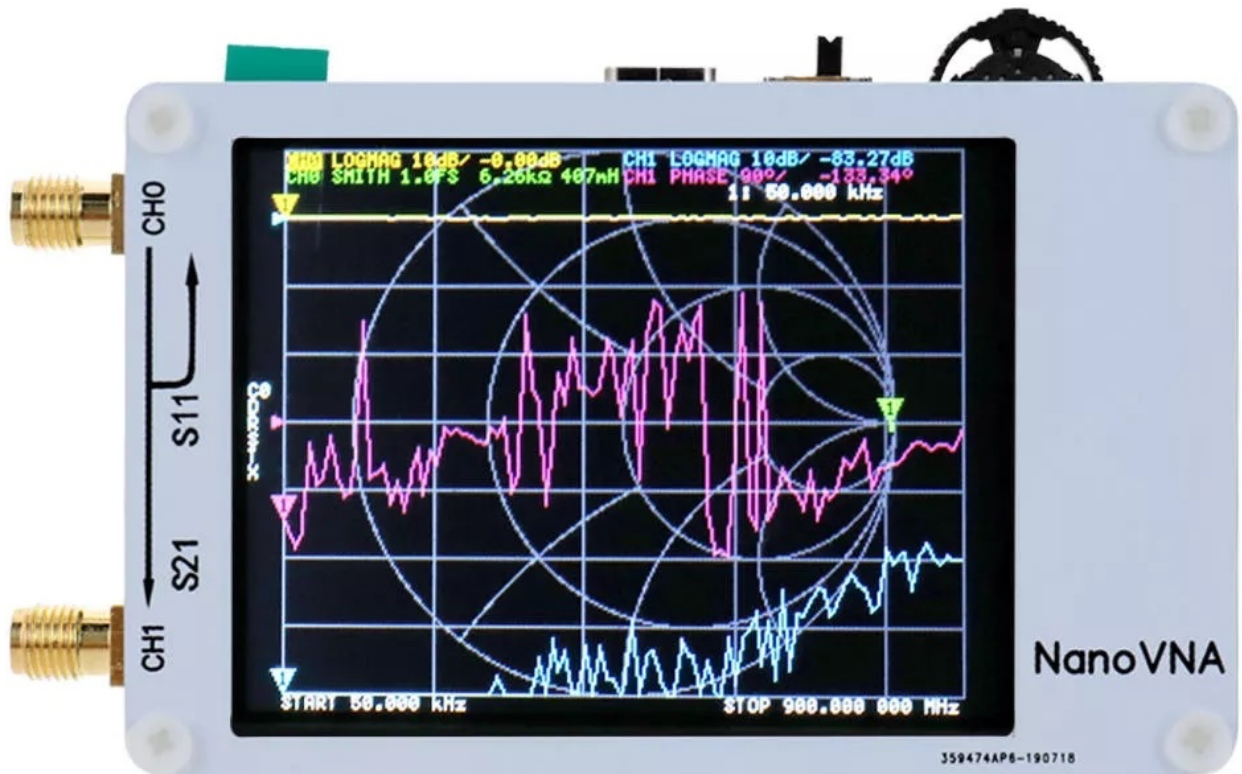
Package list:

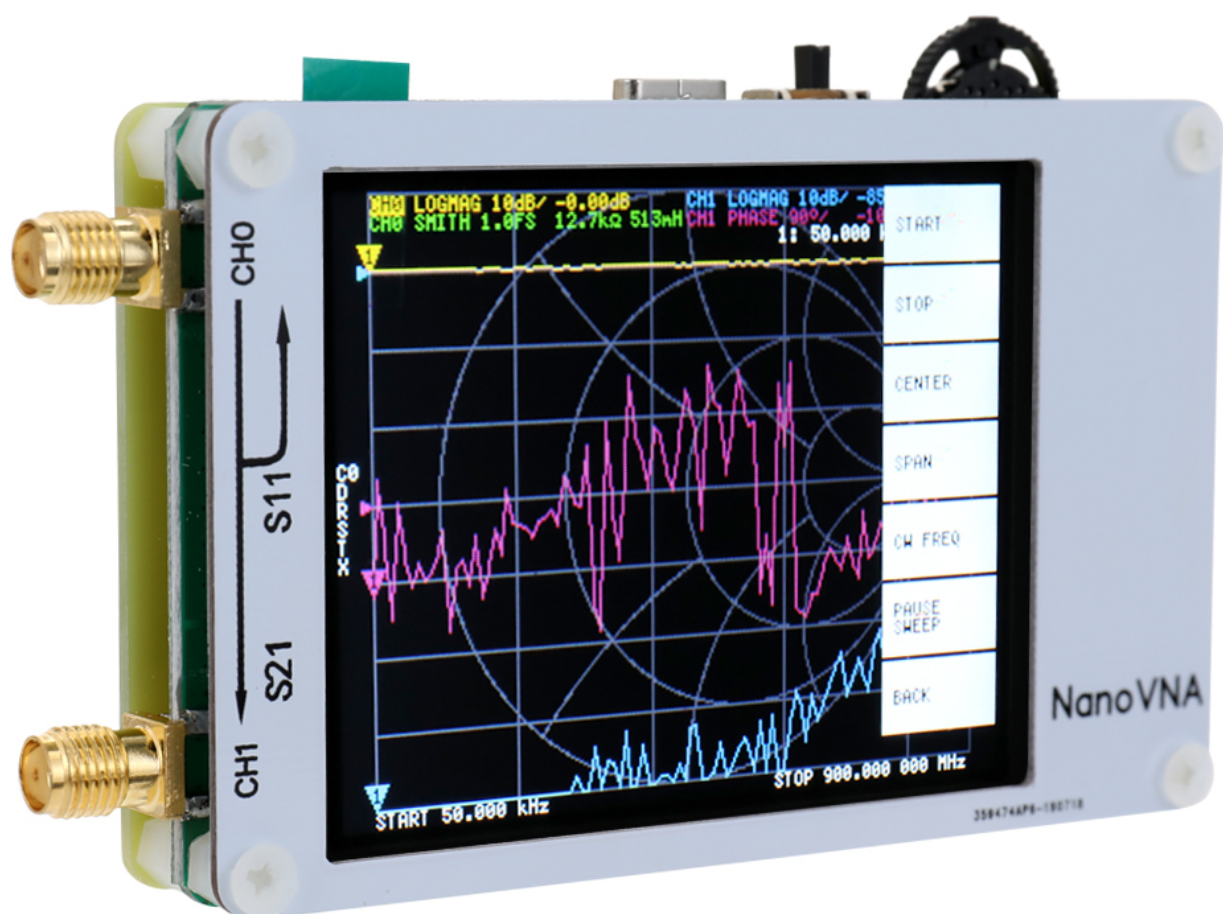
1 * Host

1 * USB Type-C Data Cable

1 * SMA Female to Female Connector

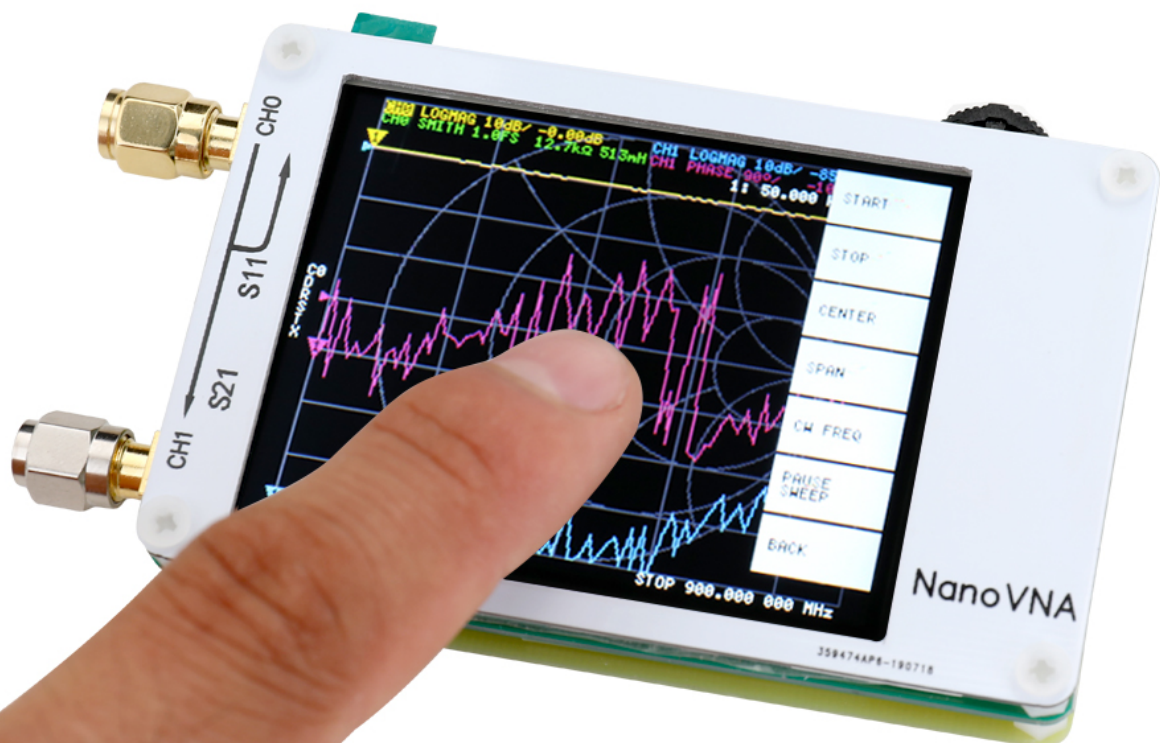
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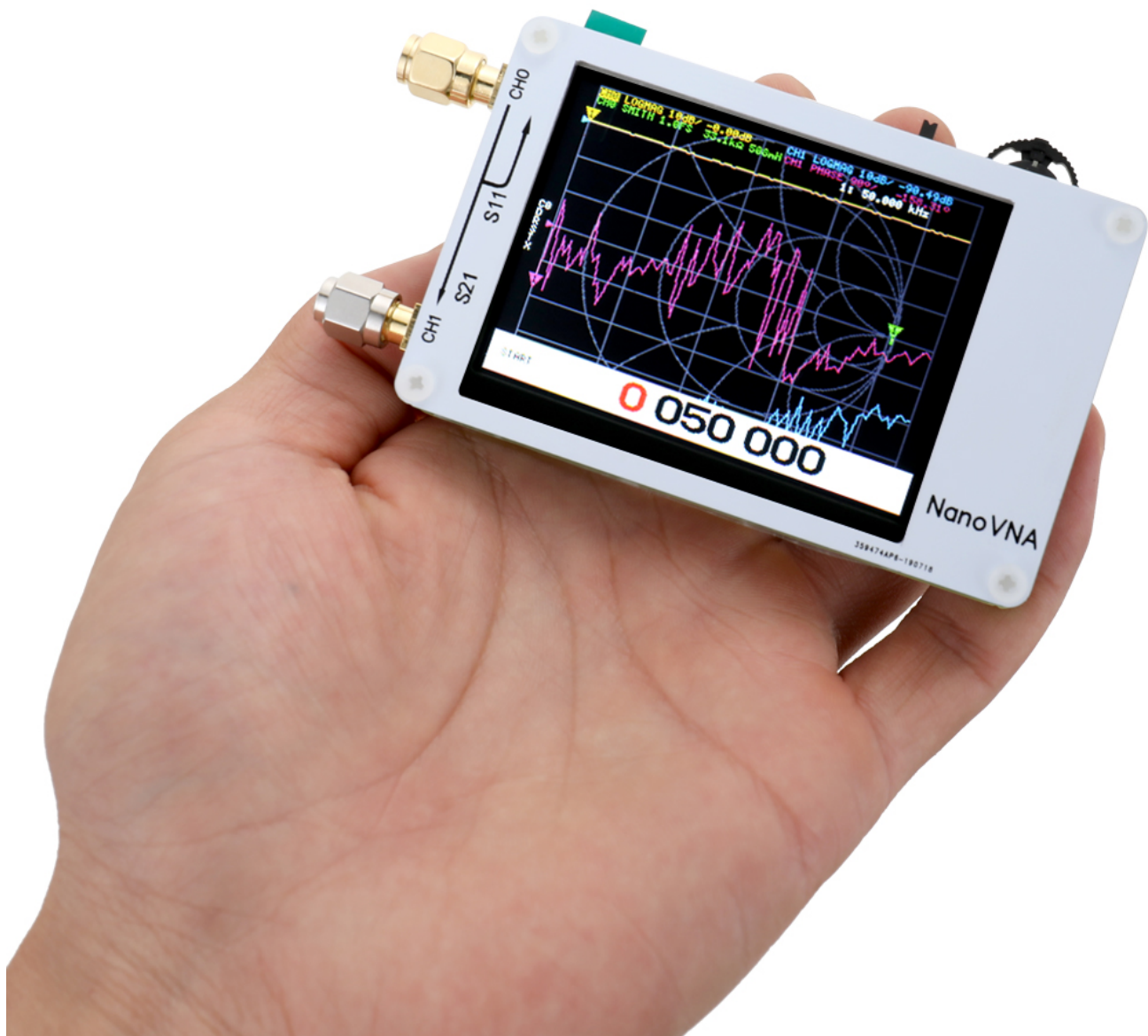








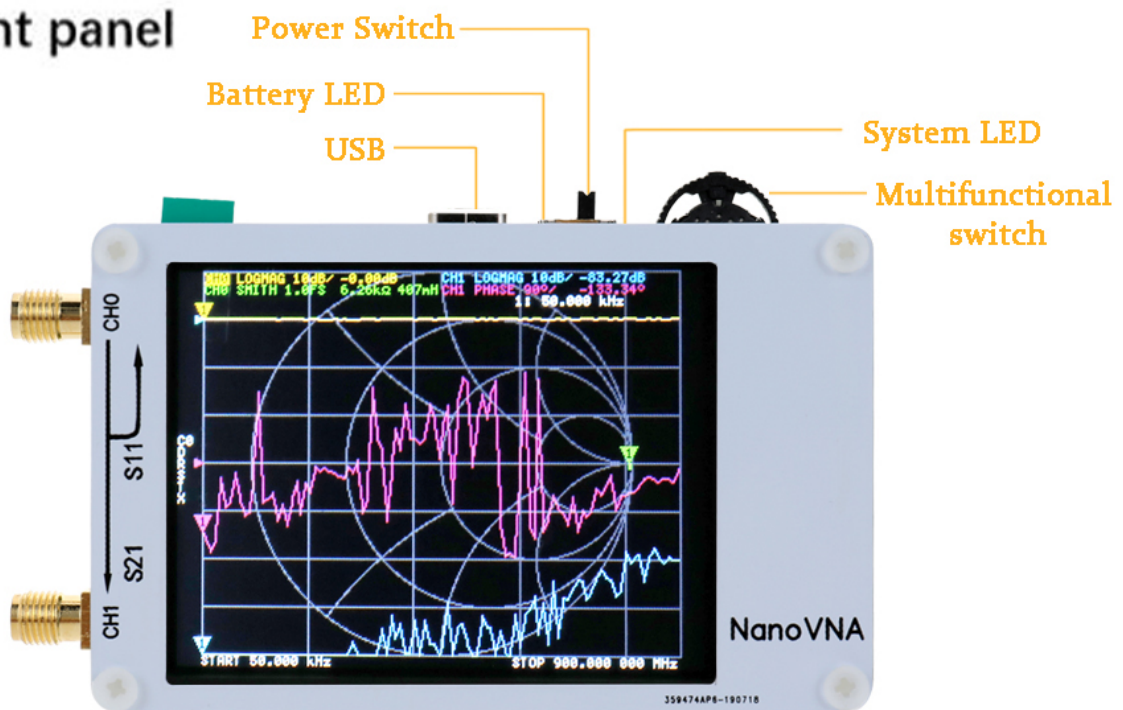








Front panel



You can use the USB interface to connect to computer communications or connect standard 5V recharger charging.

When charging the battery indicates that the battery LED flashes in charge, the constant light indicates full. When discharging the battery LED constant light indicates normal discharge, LED flicker indicates low power, please connect the recharger in time to charge.

Toggle the power switch can switch the machine, the battery indicates that the LED needs to be turned off after 40 seconds of shutdown.

The system LED light and dark changes when the system is properly scanned. You can move the mark Point or perform a menu operation via the multifunctional switch, use the touchscreen operation directly also.

Block diagram :

