

2in1

HANDHELD DUAL CHANNEL DIGITAL PHOSPHOR OSCILLOSCOPE

20M DDS Function Signal Generator

180MHz -3DB Analog Bandwidth

500MSPS Real-time Sampling Rate





Digital Phosphor
Technology



Dual
Channel



Signal
Generator



ZOOM Scaling
Time Base



20M Bandwidth
Limit



Cursor
Mode



Trigger
Inhibition



Intelligent
Anti-burning



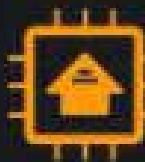
Waveform
Saving



Grayscale & Color
Temperature



Chopping
Wave Output



Firmware
Upgrade



50000
wfm/s



FFT
Spectrum



X-Y
Mode

▶ **ADVANCED DIGITAL PHOSPHOR TECHNOLOGY** ◀

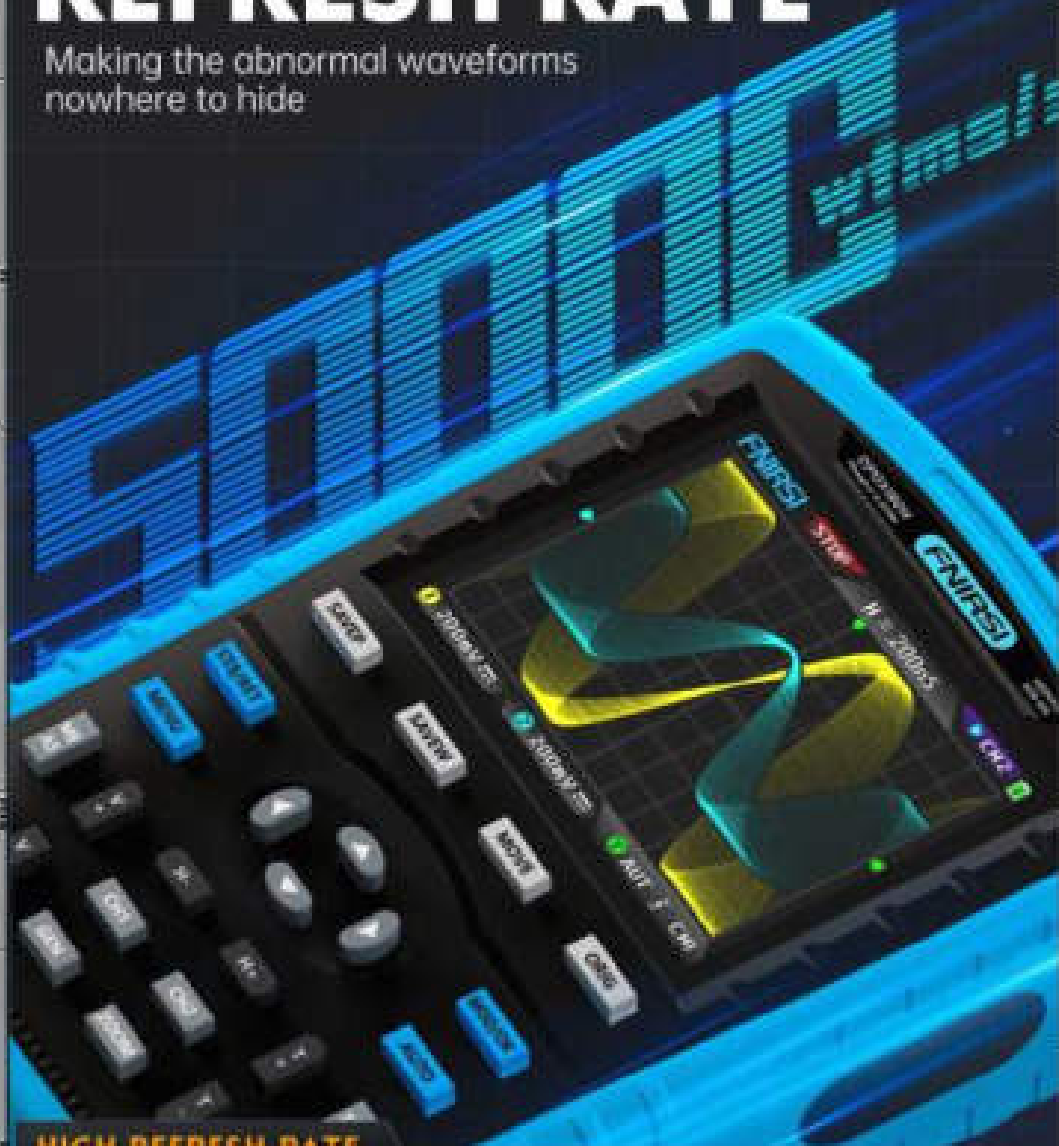
2.8-INCH IPS HD DISPLAY GRAYSCALE AND COLOR TEMPERATURE DISPLAY

Multi-level grayscale display capability. Waveform are changes clearly reflected

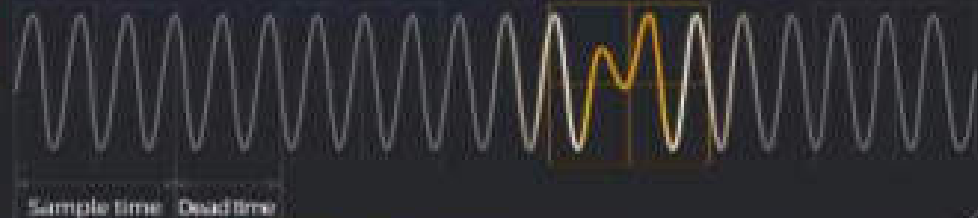


50000WFMS/S WAVEFORM REFRESH RATE

Making the abnormal waveforms
nowhere to hide



HIGH REFRESH RATE



LOW REFRESH RATE



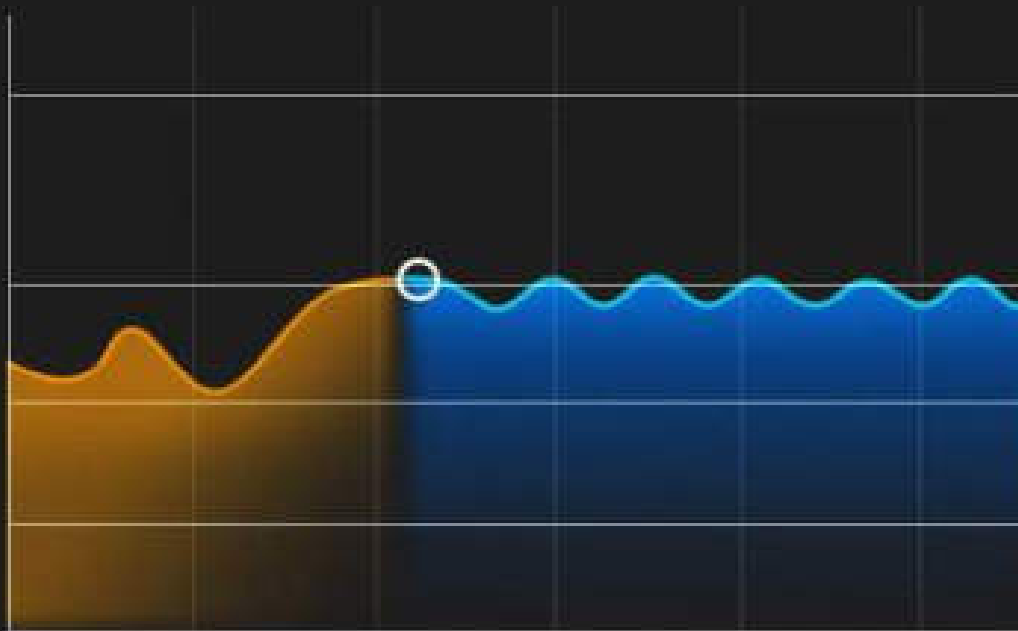
COMPREHENSIVE TRIGGER FUNCTION

Three trigger modes: automatic, single and normal; Rising edge & Falling edge



ADAPTIVE ADJUSTABLE TRIGGER SUPPRESSION

Adaptive high frequency, low frequency, loud noise signal. Make the waveform clean and stable



• BEFORE INHIBITION • AFTER INHIBITION

▶ COMPREHENSIVE LEVELING SYSTEM ◀

▶ LARGE TIME BASE SCROLLING MODE ◀

In scroll mode, Real-time monitor the level changes



Provides an additional magnified time base



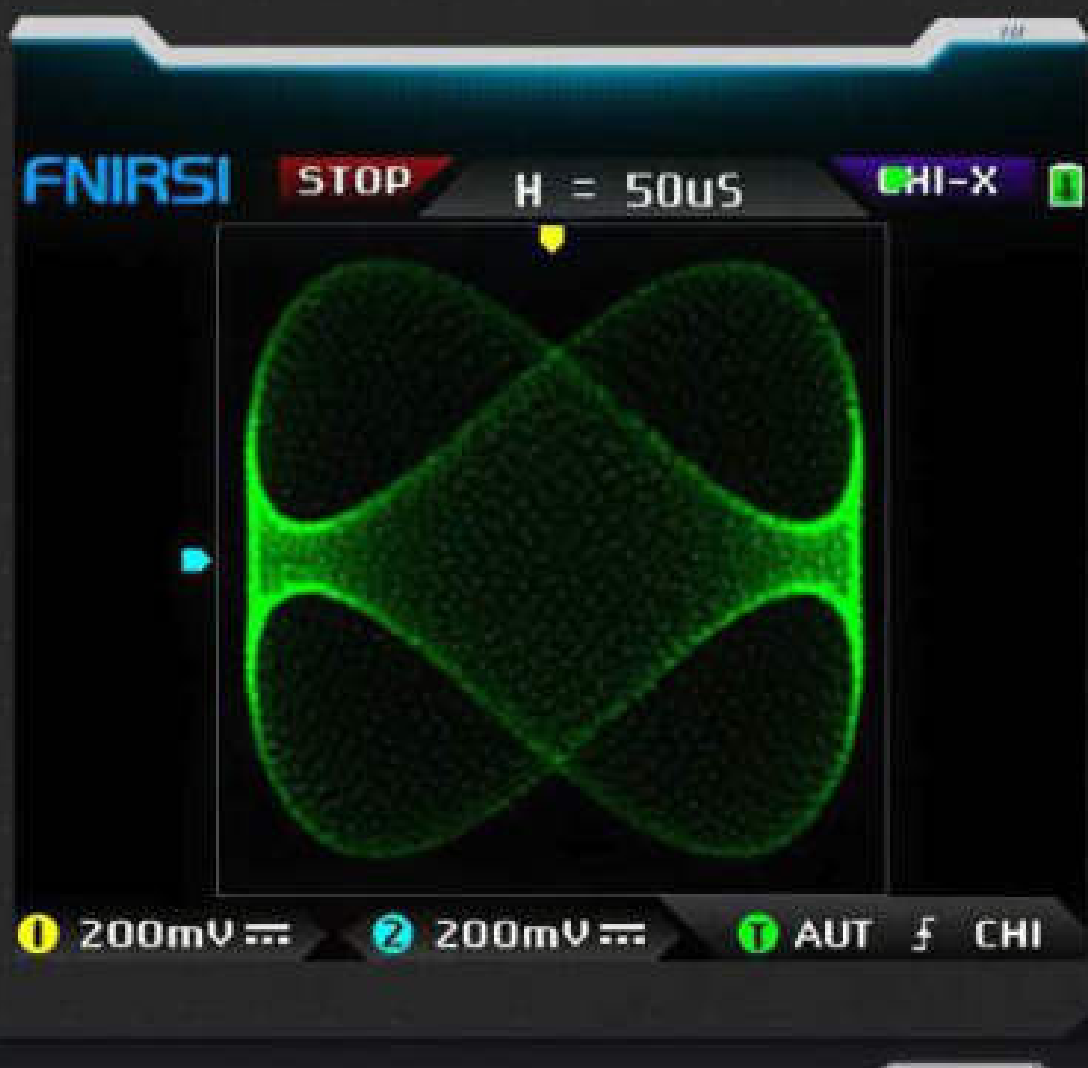
ZOOM

SCALING TIME BASE

Provide an additional magnification time base, which can provide 2-1000 times magnification viewing effect in running or paused state

DIGITAL PHOSPHOR XY MODE

Support digital phosphor technology, a closed curve graph generated by dual channels can be used to compare the amplitude, frequency and phase of two groups of signals



5MV HIGH SENSITIVITY

ULTRA-HIGH WAVEFORM SIGNAL-TO-NOISE RATIO

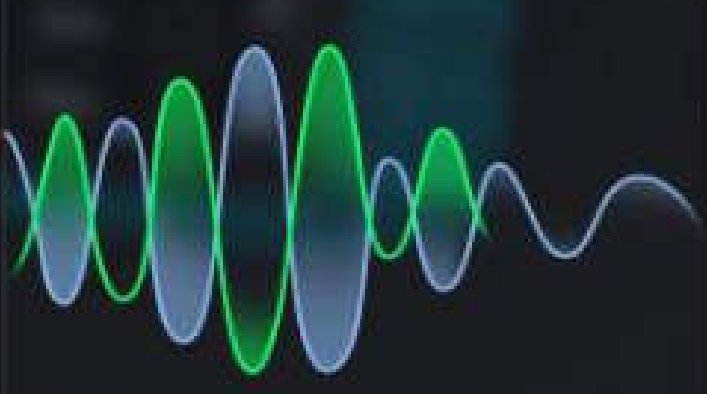
The analog front-end uses excellent shielding measures and a stable feedback system, and all parts with interference sources that are far away from the analog front-end



No masking



Carrying mask function



20M HARDWARE BANDWIDTH LIMIT

The analog front-end has a built-in switchable 20MHz hardware bandwidth limiting component, and the -3dB attenuation bandwidth is 20MHz after it is turned on



20M FUNCTION SIGNAL GENERATOR

The analog front-end has a built-in switchable 20MHz hardware bandwidth limiting component, and the -3dB attenuation bandwidth is 20MHz after it is turned on

20MHz



UNIQUE

CHOPPING OUTPUT FUNCTION

Cut a part or the whole part of various signals measured by the oscilloscope as the output signal of the signal generator, and can store up to 500 customized signals.

ka!



400V HIGH VOLTAGE ANTI-BURN PROTECTION

The design of the input stage of the analog front-end all adopts high-voltage resistant design, and the overall design can reach 400V withstand voltage and prevent burning in any gear.



3000MAH ⚡ LITHIUM BATTERY ⚡

SCHEDULED SHUTDOWN 5V2A FAST CHARGING

Built-in 3000mah large-capacity rechargeable lithium battery, Battery life up to 4 hours, Timing shutdown: 5 minutes to 2 hours (can be set).



▶ **MULTIPLE FUNCTIONS** ◀

ONE-BUTTON AUTOMATIC ADJUSTMENT MANUAL CURSOR MEASUREMENT

Equipped with an efficient one-button automatic adjustment function, the signal measurement is simple and fast; and the cursor can measure the waveform parameters accurately.



**CURSOR
MEASUREMENT**



**AUTOMATIC
ADJUSTMENT**

FFT SIMPLE SPECTRUM DISPLAY

Qualitative overview of the spectral content of the current signal



WAVEFORM SAVING SCREENSHOT SAVING

Built-in 120Mbit storage space, can store up to 250 groups of waveforms and 90 screenshots, can view full-screen pictures and perform secondary analysis on saved waveform data.



≈ IMAGE EXPORT ≈ FIRMWARE UPGRADE

Connect to the computer through a USB cable, copy the system image file iso to the U disk to upgrade and you can also directly view or copy the BMP image files saved in the oscilloscope.

