



Order Information

	Description	Order Number
Model	3 GHz, 20 GSa/s, 500 Mpts, 4CH High-End DS	DS70304
	5 GHz, 20 GSa/s, 500 Mpts, 4CH High-End DS	DS70504
Standard Accessories	Power Cord Conforming to the Standard of the Destination Country	
	USB Cable	
Recommended Accessories	4 Passive HighZ Probes (500 MHz)	RP3500A
	Active Differential Probe (3.5 GHz BW)	PVA8350
	Active Differential Probe (5 GHz BW)	PVA8500
	Active Differential Probe (7 GHz BW)	PVA8700
	Current Probe (50 MHz, 30A)	PCA1030
	Current Probe (100 MHz, 30A)	PCA2030
	Current Probe (10 MHz, 150A)	PCA1150
	High-Voltage Differential Probe (70 MHz, 1400 V)	PHA0150
	High-Voltage Differential Probe (100 MHz, 1400 V)	PHA1150
	Power Analysis, Power Analysis Phase Difference Correction Jig, RPA Series	RPA246
Upgrade Option	2 Gpts Memory Depth Upgrade Option	DS70000-2RL
Bundle option	Application Bundle including all the serial protocol analysis software, Power Analysis, Waveform Generator, and Jitter/Real time Eye options	DS70000-BND
Serial Protocol Analysis Option	Embedded Serial Bus Trigger and Analysis (RS232/UART, I2C, and SPI)	DS70000-EMBD
	Auto serial bus trigger and analysis (CAN, CAN-FD, LIN, FlexRay)	DS70000-AUTO
	Aerospace serial bus trigger and analysis (MIL-STD_1553)	DS70000-AERO
Measurement Application Option	Integrated Power Analysis Option	DS70000-PWR
	Real-time Eye Diagram and Jitter Analysis (Option)	DS70000-JITT
Pre-compliance Test Software	USB2.0 Pre-compliance Test	DS70000-USBC
	100 Mb/s Ethernet Pre-compliance Test	DS70000-ETHC

Contact **RIGOL** for more information

Leveraging Technology to Enhance Analysis Technology Driving Innovation



DS70000 Series Digital Oscilloscope with Real-Time Spectrum Analysis to 5GHz

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Highlights

Up to 5 GHz Bandwidth and 20 GSa/sec Sample Rate

15.6" auto-tilt primary touchscreen display

Multi-window display

16 bits Vertical Resolution

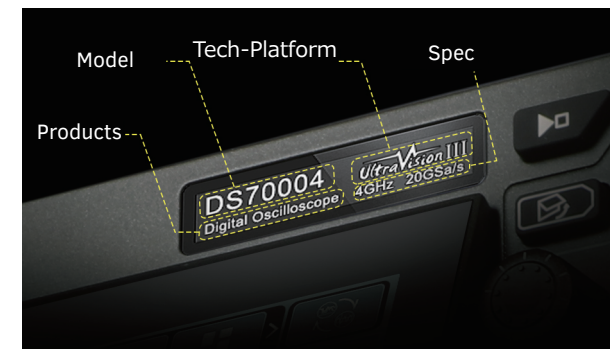
1 million waveforms/sec capture rate



Feature

- Max. 5 GHz bandwidth, 4 analog channels and 1 EXT channel
- Maximum sample rate: 20 GSa/sec
- Innovative UltraVision III platform
 - 1 million waveforms/sec capture rate
 - 2 Gpts maximum storage depth
 - high-resolution measurements up to 16 bits
- Jitter & Eye Diagram Analysis, Real-time Spectrum Analysis, EMI Debugging and Multi-Domain Analysis, Serial Bus Decoding and Compliance
- Supports up to 4 Math or FFT functions as well as 4 decoders
- 15.6" auto-tilt primary touchscreen display
- Secondary touchscreen reserves main screen for analysis
- Fast storage, transfer gigabits of data while minimizing instrument downtime
- USB3.0 Host & Device, LAN(LXI) 、10G SFP+, HDMI, TRIG OUT

UltraVision III

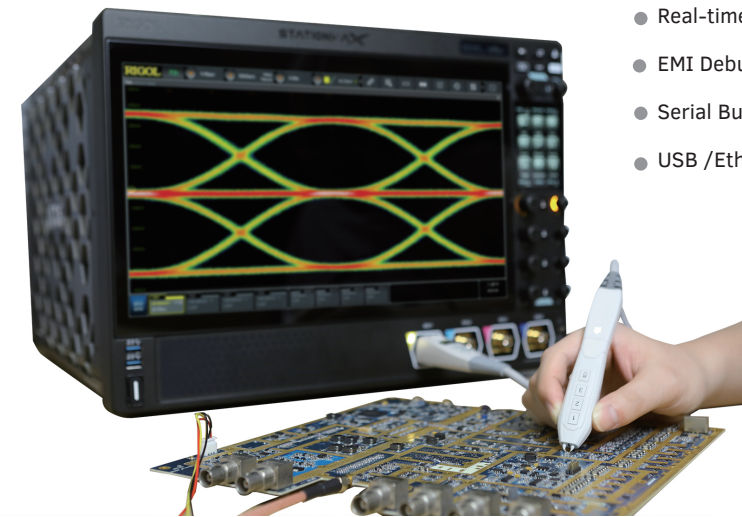


Digital Signage



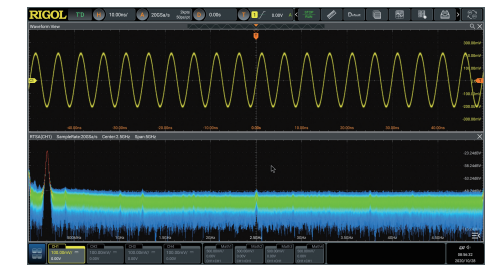
Optical Encoder

Application



Using active differential probe (PVA8000) to do the Eye Diagram analysis

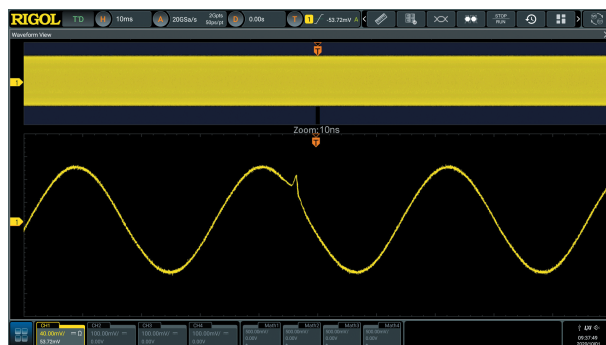
- Jitter & Eye Diagram Analysis
- Real-time Spectrum Analysis
- EMI Debugging and Multi-Domain Analysis
- Serial Bus Decoding and Compliance
- USB /Ethernet Testing



An enhanced FFT analysis function can calculate 10,000 FFTs/sec to provide real-time spectrum analysis.

Benefits

- Our highest performing scope ever improves upon all our analysis tools
- Designed and built to be fast and convenient
- Advanced features and platform design that give you unmatched access to the data you need
- DS70000 allow engineers to communicate, control and access their test data with ease, addressing a key challenge facing engineers performing advanced testing and analysis. time for offline analysis and data archival.



Max. 2 Gpts memory depth



high-resolution measurements up to 16 bits