

TEKTRONIX

DSA72004

Tektronix DSA72004 is a 4-channel Digital Serial Analyzer (real-time oscilloscope) in the DSA70000 Series with 20 GHz analog bandwidth per channel. It offers up to 50 GS/s real-time sampling on all four channels, deep record length, and advanced serial-data analysis and compliance tools for high-speed signal integrity work.

SPECIFICATIONS

General

Interfaces	LAN, USB, GPIB
Display	12.1 in color display

Acquisition and Signal Fidelity

Analog Bandwidth (per channel)	20 GHz
Input Channels	4
User-Selectable Bandwidth Limit	Yes

Timebase and Timing

Maximum Sample Rate (all channels)	up to 25 GS/s (real-time) on all channels
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Trigger System

Triggering System	Pinpoint triggering
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Serial Data and Jitter Analysis

DDR Read/Write Identification	Option DDRA: DDR1, LP-DDR1, DDR2, DDR3, GDDR3
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User Interface and Display

Display Size	12.1 in
Custom Workspaces	MyScope custom windows
Navigation/Zoom	MultiView Zoom feature

Options, Configurations, and Upgrade Paths

Series Bandwidth Models (for context)	20, 16, 12.5, 8, 6, 4 GHz (DPO/DSA70000 Series)
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TECHNOLOGY

Digital Phosphor Oscilloscope (DPO) architecture

APPLICATIONS

High-speed serial design verification, characterization, debugging, and compliance; DDR read/write analysis (via Option DDRA).