

KEYSIGHT TECHNOLOGIES (AGILENT HP)

54832D

The Keysight (Agilent) Infiniium 54832D is a 1 GHz, 4+16-channel Mixed Signal Oscilloscope designed to integrate the detailed signal analysis of a high-performance oscilloscope with the timing analysis of a 16-channel logic analyzer. Featuring Keysight's MegaZoom deep memory technology, the 54832D allows engineers to easily capture long time records with high sample rates while maintaining responsive system control and updating waveforms instantaneously.

SPECIFICATIONS

Analog Channel Specifications

Analog Bandwidth (-3 dB)	1 GHz
Calculated Rise Time (10% to 90%)	350 ps
Number of Analog Channels	4
Vertical Resolution	8 bits (up to 12 bits with averaging)

Digital Channel Specifications

Number of Digital Channels	16
Maximum Digital Sample Rate	1 GSa/s

Acquisition and Horizontal System

Real-Time Sample Rate (1 or 2 channels active)	4 GSa/s
Real-Time Sample Rate (3 or 4 channels active)	2 GSa/s

Trigger System

Trigger Modes	Auto, Triggered, Single
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Inputs & Outputs

Probe Interface Type	Agilent AutoProbe
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Power

Mains Voltage	100 to 240 VAC (±10%)
Mains Frequency	47 to 440 Hz

TECHNOLOGY

Mixed Signal Oscilloscope (MSO)

APPLICATIONS

Mixed-signal design, high-speed digital design, FPGA debugging, and troubleshooting

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.