

Keysight InfiniiVision MSOX4024A

Mixed Signal Oscilloscope • 200 MHz • 4 Analog + 16 Digital Channels • 12.1" Touch Screen



Product Overview

The Keysight InfiniiVision MSOX4024A is a high-performance mixed-signal oscilloscope from the 4000 X-Series. It features a large 12.1-inch capacitive touch screen, 200 MHz bandwidth, 4 analog + 16 digital channels, 5 GSa/s sample rate and 4 Mpts memory. With a 1,000,000 waveforms/sec update rate, InfiniiScan Zone touch triggering and MegaZoom IV smart memory, it delivers exceptional signal visibility. Standard integrated instruments include a digital voltmeter, and the platform is fully upgradable in bandwidth, MSO and application software.

Key Features

- 12.1-inch capacitive touch screen (largest in class)
 - InfiniiScan Zone touch triggering
 - 4 analog + 16 digital (MSO) channels
 - Fully upgradable (bandwidth, MSO, apps)
 - USB, LAN, VGA connectivity
- 1,000,000 waveforms/sec update rate
 - 5 GSa/s sample rate & 4 Mpts memory
 - MegaZoom IV smart memory + segmented memory
 - Integrated 3-digit digital voltmeter
 - Standard 3-year warranty

Technical Specifications

Parameter	Specification
Model	Keysight InfiniiVision MSOX4024A (4000 X-Series)
Bandwidth	200 MHz (upgradable to higher bandwidths)
Analog Channels	4
Digital Channels (MSO)	16
Maximum Sample Rate	5 GSa/s
Maximum Memory Depth	4 Mpts (standard segmented memory)
Waveform Update Rate	1,000,000 wfms/s
Display	12.1-inch capacitive touch screen
Triggering	InfiniiScan Zone touch trigger + 21 standard modes
Integrated Instruments	3-digit digital voltmeter (standard)
Connectivity	USB 2.0 (host ×3, device ×1), LAN, VGA out, GPIB (option)
Standard Accessories	N2894A 700 MHz passive probes (1/ch), MSO cable, power cord, cal cert.
Warranty	3-year factory warranty, 2-year calibration interval

Typical Applications

Embedded design & debugging • Serial bus analysis • Power integrity testing • Mixed-signal validation • High-speed digital troubleshooting • Education and R&D; laboratories

■ Always follow Keysight safety instructions and applicable standards. Use only by qualified personnel. Factory 3-year warranty included.