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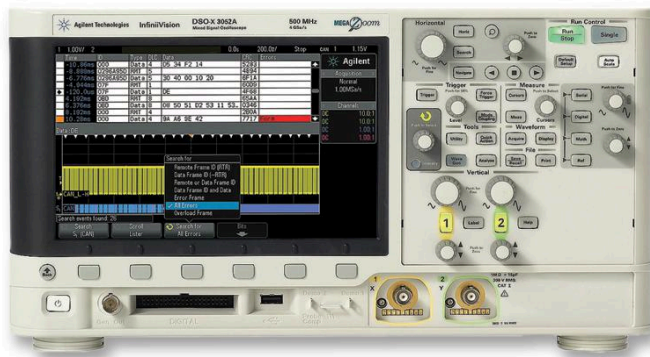
Data Sheet

August 31, 2026

AGILENT / KEYSIGHT

Agilent / Keysight DSOX3012A Oscilloscope: 100 MHz, 2 Channels

Agilent Keysight DSOX3012A InfiniiVision Oscilloscope The Agilent/Keysight DSOX3012A is a 100 MHz InfiniiVision 3000 X-Series oscilloscope with 2 analog channels. OEM 3000A X-Series fact sheets list up to 4 GSa/s sample rate, up to 4 Mpts MegaZoom memory, and 1,000,000 wfms/s update rate with an 8.5-inch WVGA display. Embedded design debug, mixed-signal analysis, education, and general-purpose analog measurements on the 3000 X-Series platform. Waveform Update Rate: 1000000 waveforms per second The Agilent/Keysight DSOX3012A is a 100 MHz InfiniiVision 3000 X-Series oscilloscope with 2 analog channels. OEM 3000A X-Series fact sheets list up to 4 GSa/s sample rate, up to 4 Mpts MegaZoom memory, and 1,000,000 wfms/s update rate with an 8.5-inch WVGA display. Embedded design debug, mixed-signal analysis, education, and general-purpose analog measurements on the 3000 X-Series platform. Waveform Update Rate: 1000000 waveforms per second Memory Architecture: MegaZoom IV deep memory



MODEL

**Agilent / Keysight
DSOX3012A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DSOX3012A

LISTING

<https://aumictechlabs.com/products/dsox3012a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight DSOX3012A InfiniiVision 3000 X-Series is a 100 MHz, 2-channel digital storage oscilloscope built for signal analysis in development and troubleshooting environments. This instrument consolidates five tools into one platform: oscilloscope, optional 16-channel digital logic analyzer, 20 MHz function/arbitrary waveform generator, 3-digit digital voltmeter, and protocol analyzer. The 8.5-inch WVGA capacitive touchscreen provides intuitive navigation and signal visualization across complex measurement tasks.

Technical Specifications
Bandwidth: 100 MHz
Analog Channels: 2
Sample Rate: Up to 4 GSa/s
Memory Depth: 2 Mpts standard, upgradeable to 4 Mpts
Waveform Update Rate: 1,000,000 waveforms per second
Vertical Resolution: 8-bit
Rise Time: 3.5 ns (calculated)
Input Impedance: 1 M Ω
Input Capacitance: 8 pF
Display: 8.5-inch WVGA capacitive touchscreen

Key Features
MegaZoom IV smart memory technology enables responsive access to deep memory without sacrificing waveform update rate
Segmented memory captures extended time spans while maintaining high sample rates
Edge, pulse width, pattern, rise/fall time, Nth edge burst, runt, setup/hold, and video triggering modes
Advanced protocol triggering including USB 2.0, CAN, CAN-FD, LIN, I²C, SPI, RS232, and serial protocol support
Zone trigger capability for touch-based event isolation
Function/arbitrary waveform generator supports sine, square, ramp, pulse, DC, Sinc, exponential, cardiac, Gaussian, and noise with AM, FM, and FSK modulation
Integrated 5-digit frequency counter
Digital channels upgradeable to 16-channel MSO functionality
Protocol analyzer for CAN, LIN, I²C, SPI, and RS232 (optional)

Typical Applications
Signal integrity verification, embedded systems debugging, power supply analysis, and protocol validation in automotive, industrial, and consumer electronics development.

Compatibility & Integration
Digital channel expansion and protocol analyzer options available post-purchase.
Supports multiple serial communication standards and modulation analysis.

DSOX3012A Characteristics / Specifications

PARAMETER	VALUE
Model	DSOX3012A
Analog Bandwidth	100 MHz
Analog Channels	2
Digital Channels	0
Maximum Sample Rate	4 GSa/s
Maximum Memory Depth	4 Mpts
Waveform Update Rate	1000000 waveforms per second
Display Size	8.5 inch WVGA
Vertical Resolution	8 bit
Memory Architecture	MegaZoom IV deep memory
Input Coupling	DC AC ground
Input Impedance Class	1 MOhm and 50 ohm paths class
Hardware Counter	Integrated frequency counter
Segmented Memory	Available
WaveGen Option	Built in 20 MHz function arbitrary generator option
Digital Voltmeter Option	Integrated DVM option path
Serial Trigger Analysis	Optional protocol packages
Form Factor	Benchtop InfiniiVision 3000 X
Series Family	InfiniiVision 3000 X Series
Remote Interfaces	USB standard with LAN GPIB options
MSO Capability	no
Brand Lineage	Agilent / Keysight
Bandwidth	100 MHz

DSOX3012A Specifications

PARAMETER	VALUE
Agilent Keysight DSOX3012A InfiniiVision Oscilloscope	Overview
Applications	Embedded design debug, mixed-signal analysis, education, and general-purpose analog measurements on the 3000 X-Series platform.
Key Features	100 MHz analog bandwidth
Technical Specifications	Model: DSOX3012A
Notes	From Keysight/Agilent InfiniiVision 3000A X-Series fact sheet model row for DSOX3012A.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	DSOX3012A
Analog Bandwidth	100 MHz
Analog Channels	2
Digital Channels	0
Maximum Sample Rate	4 GSa/s
Maximum Memory Depth	4 Mpts
Waveform Update Rate	1000000 waveforms per second
Display Size	8.5 inch WVGA
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Memory Architecture	MegaZoom IV deep memory
Input Coupling	DC AC ground
Input Impedance Class	1 MOhm and 50 ohm paths class
Hardware Counter	Integrated frequency counter
Segmented Memory	Available
WaveGen Option	Built in 20 MHz function arbitrary generator option
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Serial Trigger Analysis	Optional protocol packages
Form Factor	Benchtop InfiniiVision 3000 X
Series Family	InfiniiVision 3000 X Series
Remote Interfaces	USB standard with LAN GPIB options
MSO Capability	no
Brand Lineage	Agilent / Keysight
Notes	
From Keysight/Agilent InfiniiVision 3000A X-Series fact sheet model row for DSOX3012A.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.