

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 31, 2026

AGILENT / KEYSIGHT

Agilent / Keysight DSOX1204A Oscilloscope: 70/100/200 MHz, 4 Analog Channels

Agilent Keysight DSOX1204A InfiniiVision 1000 X-Series Oscilloscope The Keysight DSOX1204A is a 4-channel InfiniiVision 1000 X-Series digital storage oscilloscope with 70 MHz base bandwidth upgradable to 100 MHz or 200 MHz. OEM 1000 X-Series datasheets list up to 2 GSa/s interleaved sampling, 1 Mpts memory, and greater than or equal to 200000 waveforms/s update rate class on later datasheet revisions. General-purpose embedded debug, education, serial-bus decode, and bandwidth-upgradable 4-channel bench scoping. The Keysight DSOX1204A is a 4-channel InfiniiVision 1000 X-Series digital storage oscilloscope with 70 MHz base bandwidth upgradable to 100 MHz or 200 MHz. OEM 1000 X-Series datasheets list up to 2 GSa/s interleaved sampling, 1 Mpts memory, and greater than or equal to 200000 waveforms/s update rate class on later datasheet revisions. General-purpose embedded debug, education, serial-bus decode, and bandwidth-upgradable 4-channel bench scoping. 70 MHz base bandwidth software-upgradable Integrated frequency counter and digital voltmeter class



MODEL

**Agilent / Keysight
DSOX1204A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DSOX1204A

LISTING

<https://aumictechlabs.com/products/dsox1204a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight DSOX1204A is a 4-channel digital storage oscilloscope from the InfiniiVision 1000 X-Series, delivering professional measurement capabilities in a compact footprint. The instrument ships with 70 MHz bandwidth, upgradeable to 100 MHz or 200 MHz via optional license. It acquires signals at up to 2 GSa/s per channel with 2 Mpts memory depth, enabling detailed waveform capture and analysis across a wide range of electronic testing and debugging tasks. Engineers and technicians benefit from a 7-inch WVGA color display, intuitive control layout, and built-in localized help. The 8-bit ADC and 5 ns rise time support fast signal characterization. Four independent channels allow simultaneous monitoring of multiple circuit nodes. The 50 ns/div to 50 s/div timebase range accommodates both high-speed transients and low-frequency phenomena.

Technical Specifications
Bandwidth: 70 MHz (standard), upgradeable to 100 MHz or 200 MHz
Analog channels: 4
Sample rate: 2 GSa/s per channel
Memory depth: 2 Mpts per channel (1 Mpts with 3–4 channels active)
Waveform update rate: 50,000 waveforms/sec
Vertical resolution: 8-bit ADC
Input impedance: 1 M Ω
Input capacitance: 16 pF
Vertical sensitivity: 10 V/div (maximum)
Timebase range: 5 ns/div to 50 s/div
Rise time: 5 ns
Display: 7-inch TFT LCD, WVGA (800×480)

Key Features
Edge, pulse width, video, and pattern/state triggering
Serial protocol analysis: I2C, UART/RS-232, CAN, LIN, SPI
32 built-in automatic measurements
Waveform math: +, −, ×, ÷, FFT (gain and phase), low-pass filter
Four cursors for custom measurements
Mask Limit testing
Integrated 3-digit DVM (AC RMS, DC, DC RMS)
Integrated 5-digit frequency counter
Built-in education training signals with downloadable guide

Interfaces and Connectivity
USB 2.0 (host and device)
LAN connectivity
BenchVue ready
UART output

Typical Applications
Embedded system development, power supply characterization, analog circuit debugging, digital signal verification, and educational electronics instruction.

DSOX1204A Characteristics / Specifications

PARAMETER	VALUE
Model	DSOX1204A
Analog Channels	4
Bandwidth Base	70 MHz
Bandwidth Upgrade 100 MHz	D1200BW1A
Bandwidth Upgrade 200 MHz	D1200BW2A
Bandwidth Upgrade 100 To 200 MHz	D1200BW3A
Calculated Rise Time 70 MHz	less than or equal to 5 ns
Calculated Rise Time 100 MHz	less than or equal to 3.5 ns
Calculated Rise Time 200 MHz	less than or equal to 1.7 ns
Maximum Sample Rate Half Channel	2 GSa/s
Maximum Sample Rate All Four Channels	1 GSa/s
Maximum Memory Depth	1 Mpts
Waveform Update Rate	greater than or equal to 200000 waveforms/s class later DS
Vertical Resolution	8 bits
Waveform Generator	Not included on DSOX1204A (G models include 20 MHz WaveGen)
Segmented Memory	Yes
Mask Limit Test	Yes
Display Size Class	7 inch WVGA class family
Remote Interfaces	USB and LAN
Series Family	Keysight InfiniiVision 1000 X-Series
Sibling Model DSOX1204G	4 channel with 20 MHz function generator
Vertical Sensitivity Class	1 mV/div to 10 V/div class family
Input Impedance	1 Mohm parallel capacitance class family
Input Coupling	AC DC GND class family
Maximum Input Voltage Class	150 Vrms CATIclass family 1000 X

PARAMETER	VALUE
Timebase Range Class	5 ns/div to 50 s/div class family
Trigger Types Class	Edge Pulse width Pattern Rise/fall Video I2C SPI UART CAN LIN
Built In Frequency Counter	Yes
Built In Digital Voltmeter	Yes
Display Size	7 inch WVGA
Weight Class	approximately 3.3 kg class reseller OEM sheet
Bandwidth	Base: 70 MHz
Rise Time	70 MHz: less than or equal to 5 ns

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	DSOX1204A
Analog Channels	4
Bandwidth Base	70 MHz
Bandwidth Upgrade 100 MHz	D1200BW1A
Bandwidth Upgrade 200 MHz	D1200BW2A
Bandwidth Upgrade 100 To 200 MHz	D1200BW3A
Calculated Rise Time 70 MHz	less than or equal to 5 ns
Calculated Rise Time 100 MHz	less than or equal to 3.5 ns
Calculated Rise Time 200 MHz	less than or equal to 1.7 ns
Maximum Sample Rate Half Channel	2 GSa/s
Maximum Sample Rate All Four Channels	1 GSa/s
Maximum Memory Depth	1 Mpts
Waveform Update Rate	greater than or equal to 200000 waveforms/s class later DS
Vertical Resolution	8 bits
Waveform Generator	Not included on DSOX1204A (G models include 20 MHz WaveGen)
Segmented Memory	Yes
Mask Limit Test	Yes
Display Size Class	7 inch WVGA class family
Remote Interfaces	USB and LAN
Series Family	Keysight InfiniiVision 1000 X-Series
Sibling Model DSOX1204G	4 channel with 20 MHz function generator
Vertical Sensitivity Class	1 mV/div to 10 V/div class family
Input Impedance	1 Mohm parallel capacitance class family
Input Coupling	AC DC GND class family
Maximum Input Voltage Class	150 Vrms CATIclass family 1000 X
Timebase Range Class	5 ns/div to 50 s/div class family

PARAMETER	VALUE
Trigger Types Class	Edge Pulse width Pattern Rise/fall Video I2C SPI UART CAN LIN
Built In Frequency Counter	Yes
Built In Digital Voltmeter	Yes
Display Size	7 inch WVGA
Weight Class	approximately 3.3 kg class reseller OEM sheet

Notes
From Keysight InfiniiVision 1000 X-Series Oscilloscope data sheet model column for DS0X1204A/DS0X1204G. Exact update-rate and memory figures vary by datasheet revision; confirm on unit options.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 31, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.