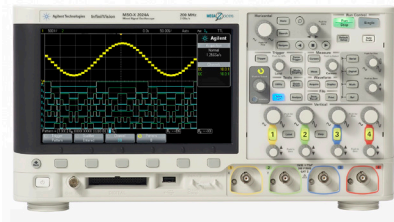# Agilent InfiniiVision Oscilloscopes

InfiniiVision oscilloscopes are available in a variety of form factors ranging from the 1U high 6000L to the large display of the 7000B Series. Mega*Zoom* technology in every InfiniiVision scope provides responsive deep memory allowing you to see subtle signal details and infrequent events that other scopes miss. Full upgradability, including bandwidth and MSO channels, gives you more investment protection.
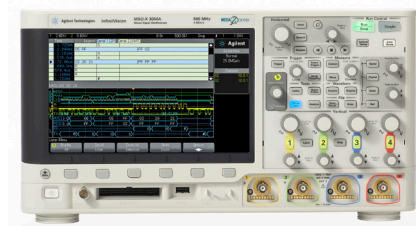
All InfiniiVision scopes include:

- Patented Mega*Zoom* technology shows elusive details by capturing up to 1,000,000 deep-memory waveforms per second.

- Responsive deep memory is always available to show more of your signal with more detail.

- Standard 3-year warranty.

- Large, color display to show subtle signal detail.
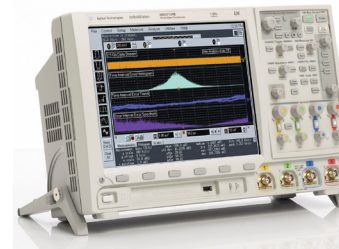
- Wide range of applications – see back.

2000 X-Series

- 70 to 200 MHz bandwidth, both DSO and MSO models.
- Only economy-class scopes with mixed signal capability.
- Only 20 MHz built-in WaveGen function generator.
- 8.5-inch WVGA display offers 2x the viewing area and 5x the resolution of competitive scopes.
- Up to 50,000 waveform updates/second.
- Fully upgradable – bandwidth, MSO, memory, measurement applications, and WaveGen.

3000 X-Series

- 100 to 500 MHz bandwidth, both DSO and MSO models.
- Hardware-based measurement applications including serial decode.
- Only 20 MHz built-in WaveGen function generator.
- 8.5-inch WVGA display offers 50% larger and 3x the resolution of competitive scopes.
- Up to 1,000,000 waveform updates/second.
- Fully upgradable – bandwidth, MSO, memory, measurement applications, and WaveGen.

7000B Series

- 12.1″ display – nearly 40% larger than the nearest competitor.
- DSO and MSO models from 100 MHz to 1 GHz for analog, digital or serial measurements.
- 8 Mpts memory standard.
- DSO model can be upgraded to MSO model at any time.

6000L Series

- 1U-high, 19″ wide package saves valuable rack space.
- Optimized for automated and manufacturing test.
- LXI class C compliant for efficient, cost-effective creation and reconfiguration of test systems.
- DSO model can be upgraded to MSO model at any time.

Quick Fact Sheet

Oscilloscope models

Model	Bandwidth	Sample rate	Memory depth	Scope channels	MSRP
DSO/MSOX2002A	70 MHz	2 GSa/s	100 kpts	2/2 + 8 digital	$1,230/$1930
DSO/MSOX2004A	70 MHz	2 GSa/s	100 kpts	4/4 + 8 digital	$1875/$2575
DSO/MSOX2012A	100 MHz	2 GSa/s	100 kpts	2/2 + 8 digital	$1,494/$2,194
DSO/MSOX2014A	100 MHz	2 GSa/s	100 kpts	4/4 + 8 digital	$2,215/$2,915
DSO/MSOX2022A	200 MHz	2 GSa/s	100 kpts	2/2 + 8 digital	$2,125/$2,825
DSO/MSOX2024A	200 MHz	2 GSa/s	100 kpts	4/4 + 8 digital	$2,616/$3,16
DSO/MSOX3012A	100 MHz	4 GSa/s	4 Mpts	2/2 + 16 digital	$2,810/$3,960
DSO/MSOX3014A	100 MHz	4 GSa/s	4 Mpts	4/4 + 16 digital	$3,380/$4,530
DSO/MSOX3024A	200 MHz	4 GSa/s	4 Mpts	4/4 + 16 digital	$4,060/$5,210
DSO/MSOX3032A	350 MHz	4 GSa/s	4 Mpts	2/2 + 16 digital	$6,381/$7,531
DSO/MSOX3034A	350 MHz	4 GSa/s	4 Mpts	4/4 + 16 digital	$7,677/$8,827
DSO/MSOX3052A	500 MHz	4 GSa/s	4 Mpts	2/2 + 16 digital	$8,000/$9,150
DSO/MSOX3054A	500 MHz	4 GSa/s	4 Mpts	4/4 + 16 digital	$10,440/$11,590
DSO6014L	100 MHz	2 GSa/s	8 Mpts	4/4 + 16 digital	$5,553
DSO6054L	500 MHz	4 GSa/s	8 Mpts	4/4 + 16 digital	$11,685
DSO6104L	1 GHz	4 GSa/s	8 Mpts	4/4 + 16 digital	$14,063
DSO/MSO7012B	100 MHz	2 GSa/s	8 Mpts	2/2 + 16 digital	$4,995 / $6,802
DSO/MSO7014B	100 MHz	2 GSa/s	8 Mpts	4/4 + 16 digital	$6,060 / $8,050
DSO/MSO7032B	350 MHz	2 GSa/s	8 Mpts	2/2 + 16 digital	$7,306 / $9,800
DSO/MSO7034B	350 MHz	2 GSa/s	8 Mpts	4/4 + 16 digital	$8,735 / $11,700
DSO/MSO7052B	500 MHz	4 GSa/s	8 Mpts	2/2 + 16 digital	$9,856 / $14,042
DSO/MSO7054B	500 MHz	4 GSa/s	8 Mpts	4/4 + 16 digital	$12,725 / $15,691
DSO/MSO7104B	1 GHz	4 GSa/s	8 Mpts	4/4 + 16 digital	$15,466 / $19,500

Recommended service options
Additional two years of Return-to-Agilent warranty
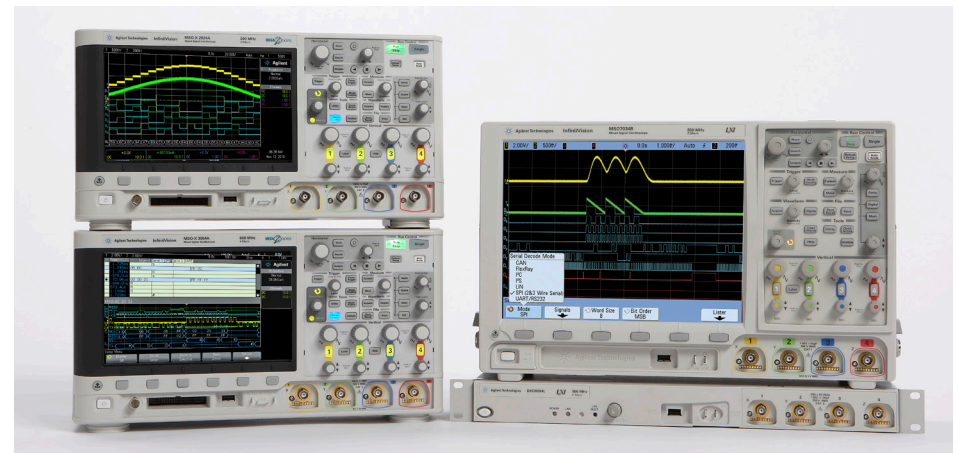Additional two years of Return-to-Agilent calibrations
For more information go to **www.agilent.com/find/removealldoubt**

Applications

Description	2000 X-Series	3000 X-Series	7000 Series
Segmented memory	DSOX2SGM	DSOX3SGM	N5454A
Mask testing-limit	DSOX2MASK	DSOX3MASK	N5455A
WaveGen built-in function generator	DSOX2WAVEGEN	DSOX3WAVEGEN	-
CAN/LIN automotive triggering and decode [1]	–	DSOX3AUTO	N5424A
I^{2}C/SPI serial decode option [1]	–	DSOX3EMBD	N5423A
RS-232/UART triggering and decode [1]	–	DSOX3COMP	N5457A
I^{2}S triggering and decode [1]	–	DSOX3AUDIO	N5468A
MIL-STD 1553 Triggering and decode [1]	–	DSOX3MIL1553	N5469A
FlexRay triggering and decode [1]	–	–	N5432C
FPGA dynamic probe for Xilinx [2]	–	–	N5406A
FPGA dynamic probe for Altera [2]	–	–	N5434A
Offline viewing and analysis of data on a PC	–	–	B4610A
Power measurement and analysis application	–	U1881A	U1881A

1. *Available on 4 channel models only.*
2. *Available on MSO models only.*

Agilent InfiniiVision oscilloscopes — engineered for the best signal visibility