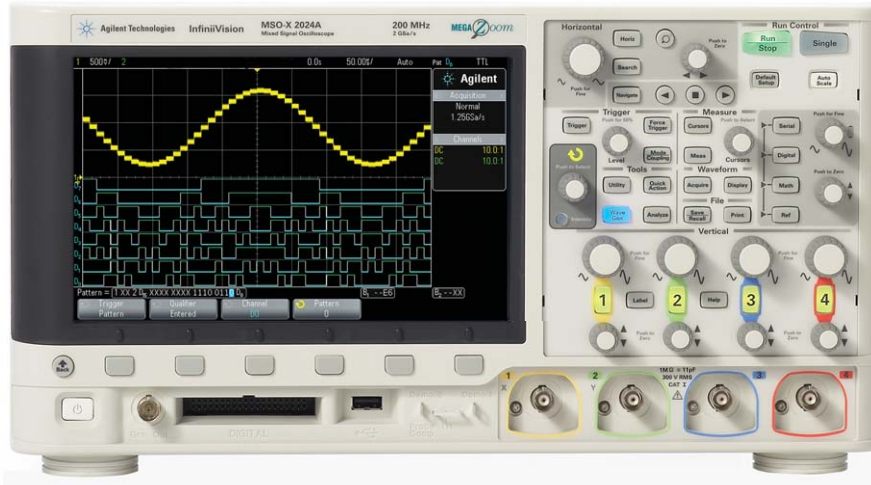
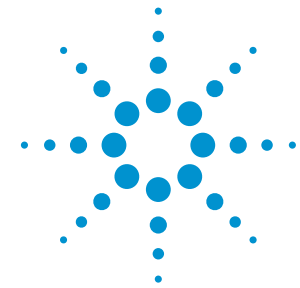


# Agilent InfiniiVision 2000 X-Series



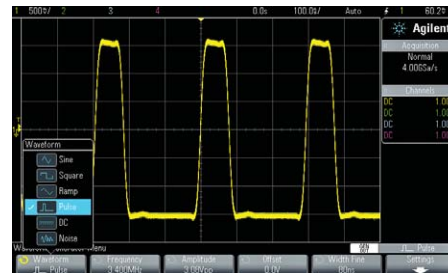
Oscilloscopes redefined:  
Breakthrough technology delivers  
more scope for the same budget



## See more

of your signal more of the time

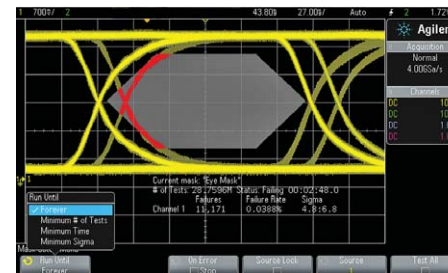
- High resolution 8.5-inch display
- Up to 50,000 wfms/s update rate
- Fast, responsive *MegaZoom IV* deep memory, 100 kpts



## Do more

with the power of 4 instruments in one

- Best-in-class oscilloscope
- Integrated 8-channel mixed signal oscilloscope (MSO) (optional)
- Industry-exclusive WaveGen built-in function generator (optional)
- Integrated digital voltmeter



## Get more

investment protection with the industry's  
only fully upgradable scope

- Upgradable bandwidth
- Upgradable MSO
- Upgradable WaveGen built-in 20 MHz function generator
- Upgradable integrated digital voltmeter
- Upgradable measurement applications
- 2-year recommended calibration interval

Key specifications	
Bandwidth	70 MHz, 100 MHz, 200 MHz
Channels	2 or 4 analog channels (DSO) +8 digital channels (MSO)
Sample rate	Up to 2 GSa/s
Memory	100 kpts
Display	8.5-inch WVGA (800 x 480)
Update rate	50,000 wfms/s
Upgradable	Bandwidth, MSO, measurement applications, integrated digital voltmeter and WaveGen
Warranty	Standard 3-year
Calibration interval	2 year
Connectivity	USB host (one front, one back), USB device, LAN (optional), GPIB (optional)



## Quick Fact Sheet

# Agilent InfiniiVision 2000 X-Series

## Oscilloscope models

Model	Bandwidth	Maximum sample rate	Maximum memory	Analog channels	Digital channels
DSO-X 2002A	70 MHz	2 GSa/s	100 Kpts	2	–
MSO-X 2002A	70 MHz	2 GSa/s	100 Kpts	2	8
DSO-X 2004A	70 MHz	2 GSa/s	100 Kpts	4	–
MSO-X 2004A	70 MHz	2 GSa/s	100 Kpts	4	8
DSO-X 2012A	100 MHz	2 GSa/s	100 Kpts	2	–
MSO-X 2012A	100 MHz	2 GSa/s	100 Kpts	2	8
DSO-X 2014A	100 MHz	2 GSa/s	100 Kpts	4	–
MSO-X 2014A	100 MHz	2 GSa/s	100 Kpts	4	8
DSO-X 2022A	200 MHz	2 GSa/s	100 Kpts	2	–
MSO-X 2022A	200 MHz	2 GSa/s	100 Kpts	2	8
DSO-X 2024A	200 MHz	2 GSa/s	100 Kpts	4	–
MSO-X 2024A	200 MHz	2 GSa/s	100 Kpts	4	8

## Measurement options

Model	Description
DSOX2MSO	MSO upgrade, 8 channel
DSOX2WAVEGEN	Function generator upgrade
DSOXDVM	Integrated Digital Voltmeter
DSOXEDK	Educator's oscilloscope training kit
DSOX2MASK	Mask limit testing
DSOX2SGM	Segmented memory
33503A	Benchlink Waveform Builder Pro and Basic
Opt SEC <sup>1</sup>	Secure environment mode
DSOX2BW12	Bandwidth upgrade from 70 MHz to 100 MHz on 2 channel models
DSOX2BW14	Bandwidth upgrade from 70 MHz to 100 MHz on 4 channel models
DSOX2BW22	Bandwidth upgrade from 100 MHz to 200 MHz on 2 channel models
DSOX2BW24	Bandwidth upgrade from 100 MHz to 200 MHz on 4 channel models

All products are licensed and customer installable.

1. Included standard, no licensed option required.

## Accessories included

Standard 3- year warranty		
Standard SEC mode (Secure Environment)		
Standard probe	N2862A 150 MHz, 10:1 passive probe	Standard one per channel for 70 and 100 MHz models
	N2863A 300 MHz, 10:1 passive probe	Standard one per channel for 200 MHz models
	N6459-60001 8-channel logic probe and accessory kit	Standard on MSO models or with DSOX3MSO upgrade
<b>Built-in help language support</b> for English, Japanese, simplified Chinese, traditional Chinese, Korean, German, French, Spanish, Russian, Portuguese and Italian		
Certificate of Calibration Documentation CD		
<b>Interface language support GUI menus:</b> English, Japanese, simplified Chinese, traditional Chinese, Korean, German, French, Spanish, Russian, Portuguese and Italian		
Localized power cord		

[www.agilent.com](http://www.agilent.com)  
[www.agilent.com/find/2000X-Series](http://www.agilent.com/find/2000X-Series)

## Probing options

Model	Description
N2862B	Passive probe 150 MHz 10:1 attenuation (1 per channel included 100 MHz models)
N2863B	Passive probe 300 MHz, 10:1 attenuation (1 per channel included 200 MHz models)
N6459-60001	8 digital channel MSO cable (1 per scope on all MSO models and on DSOX2MSO upgrades)
N2889A	Passive probe 350 MHz 10:1/1:1 switchable attenuation
10076B	Passive probe 250 MHz 100:1 attenuation
N2771B	Passive probe 50 MHz 1000:1 attenuation
N2791A	Differential active probe 25 MHz ±700 V
N2792A	Differential active probe 200 MHz ±20 V
N2793A	Differential active probe 800 MHz ±15 V
N2891A	Differential active probe 70 MHz ±7 kV
1146A	AC/DC current probe 100 kHz 100 A
N2780B	AC/DC current probe 2 MHz 500 A (requires N2779A power supply)
N2781B	AC/DC current probe 10 MHz 150 A (requires N2779A power supply)
N2782B	AC/DC current probe 50 MHz 30 A (requires N2779A power supply)
N2783B	AC/DC current probe 100 MHz 30 A (requires N2779A power supply)

## Accessories

Model	Description
DSOXLAN	Module - LAN and VGA
DSOXGPIB	Module - GPIB
N6456A	Rack mount kit
N6457A	Soft carrying case and front cover
N6458A	Hard copy manual
N2747A	Front panel cover only

