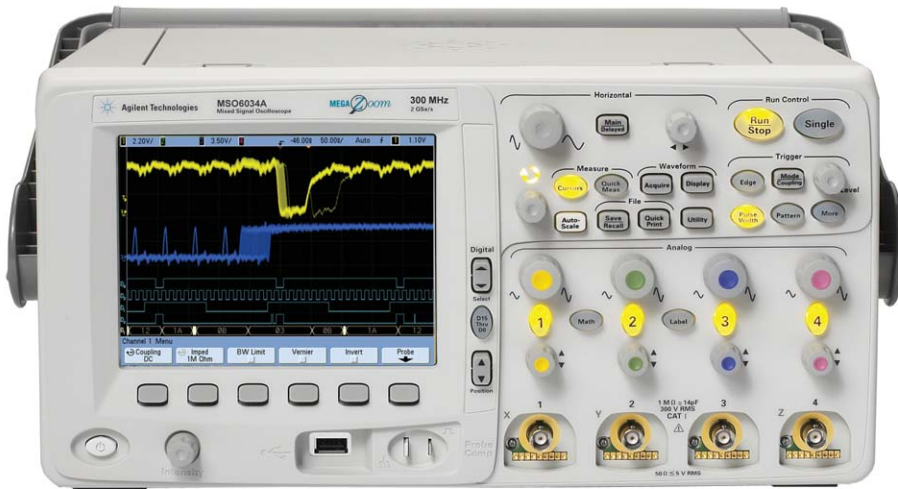
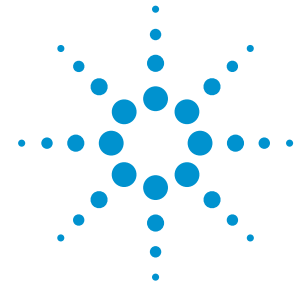


# Agilent InfiniiVision 6000 Series Oscilloscopes

Engineered for the best signal visibility



Agilent InfiniiVision 6000 Series scopes will help you identify your most elusive problems faster with:

**Fastest uncompromised update rate** — View infrequent anomalies that most scopes miss with an update rate 5000 times better than the competition.

**Fast deep memory** — Always on, deep and responsive, **MEGA Zoom III** memory lets you see more time with more detail.

**Real-time serial decode** — Hardware-based serial decode provides unrivaled real-time update rates to capture infrequent protocol errors.

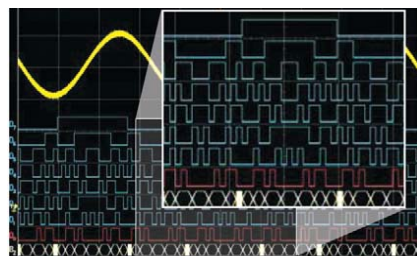
**Fast digital debug** — Combine analog channels with 16 time-correlated digital channels for rapid debug.

## Key specifications

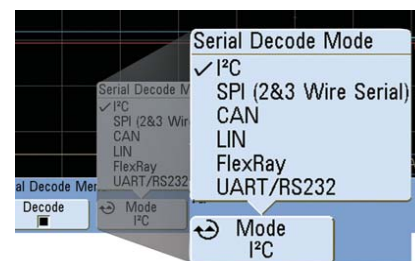
Bandwidth	100 MHz, 300 MHz, 500 MHz and 1 GHz models
Channels	2-ch, 4-ch, 2 analog +16 digital, 4 analog +16 digital
Sample rate	2 GSa/s (100-300 Mhz), 4 GSa/s (500 Mhz-1 Ghz)
Memory	8 Mpts standard
Display	High-definition display with XGA resolution, 256 levels of intensity and 100,000 waveform/sec update rate
Triggering	Edge, pulse width, pattern, V, duration, sequence, serial bus (I <sup>2</sup> C, SPI, CAN, LIN, RS-232/UART, and PS)
Warranty	Standard 3-year warranty



Fast and responsive: an update rate 5000 times better means you will see even the most elusive events.



Mixed signal means 16 digital channels to help you debug your  $\mu$ P,  $\mu$ C, ADC, FPGAs and more.



Real-time hardware-based serial decode for I<sup>2</sup>C, SPI, CAN, LIN, RS-232/UART, and I2S.



## Quick Fact Sheet

Order the mixed-signal oscilloscope (MSO) to add 16 digital timing channels to any 2- or 4-channel scope

### Oscilloscope models

Model	Bandwidth	Sample rate	Analog channels
<b>DSO / MSO 6012A</b>	100 MHz	2 GSa/s	2
<b>DSO / MSO 6014A</b>	100 MHz	2 GSa/s	4
<b>DSO / MSO 6032A</b>	300 MHz	2 GSa/s	2
<b>DSO / MSO 6034A</b>	300 MHz	2 GSa/s	4
<b>DSO / MSO 6052A</b>	500 MHz	4 GSa/s	2
<b>DSO / MSO 6054A</b>	500 MHz	4 GSa/s	4
<b>DSO / MSO 6102A</b>	1 GHz	4 GSa/s	2
<b>DSO / MSO 6104A</b>	1 GHz	4 GSa/s	4

### Options and accessories

Model	Description
<b>BAT</b>	Battery-power option
<b>N2916B</b>	Rackmount kit
<b>N2914A</b>	DSO to MSO upgrade for 100 MHz, 300 MHz
<b>N2915A</b>	DSO to MSO upgrade for 500 MHz, 1 GHz
<b>ABA**</b>	English language option and manual
<b>ABJ</b>	Japanese language option and manual
<b>AB2</b>	Simplified and Traditional Chinese language option and manual

\*\* English is standard, or substitute an alternative language for manual and user interface

### Recommended probes

Model	Description
<b>1146A</b>	100 kHz current probe, AC/DC
<b>N2772A*</b>	20 MHz/1.2 kV differential probe
<b>10070C</b>	1:1, 20 MHz passive probe
<b>10076A</b>	100:1, 4 kV, 250 MHz high-voltage probe
<b>N2783A**</b>	100 MHz/30 A current probe, AC/DC
<b>1147A</b>	50 MHz/15 A current probe, AC/DC
<b>1141A***</b>	200 MHz differential probe
<b>1156A</b>	10:1 active probe, 1.5 GHz
<b>1130A</b>	InfiniiMax active probe - choose one or more probe head
<b>1144A*</b>	10:1 active probe, 800 MHz

\* Requires N2773A power supply. \*\* Requires N2779A power supply. \*\*\* Requires 1142A power supply.

For more information on this and other Agilent scopes please visit [www.agilent.com/find/6000](http://www.agilent.com/find/6000)

Product specifications and descriptions in this document subject to change without notice.

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### Applications

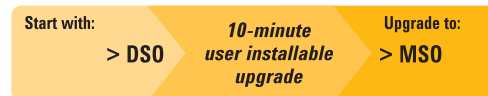
Model	Description
<b>AMS / N5424A</b>	CAN/LIN automotive triggering and decode (for 4 and 4+16 channel models only)
<b>LSS / N5423A</b>	I <sup>2</sup> C/SPI serial decode option (for 4 and 4+16 channel models only)
<b>SND / N5468A</b>	I <sup>2</sup> S Triggering and decode for (for 4 channel DSO/MSO models only)
<b>232 / N5457A</b>	RS-232/UART triggering and decode (for 4+16 channel models only)
<b>N5406A</b>	FPGA dynamic probe for Xilinx (MSO models only)
<b>N5434A</b>	FPGA dynamic probe for Altera (MSO models only)
<b>B4610A</b>	Offline viewing and analysis of MSO/DSO data on a PC
<b>U1881A</b>	Power measurement and analysis application
<b>SGM / N5454A</b>	Segmented memory
<b>LMT / N5455A</b>	Mask testing-limit

### 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](http://www.agilent.com/find/removealldoubt)



Get the same superior InfiniiVision in other form factors and price points to meet your needs.



The only scope that grows with your needs and budget.



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