

InfiniiVision 8000 Series Oscilloscopes

Superior Mixed-Signal Analysis and Debug for Your Applications



Next-generation MegaZoom memory. Fast, deep memory supports an XGA, touchscreen display system and maps up to 128 Mpts of memory to 256 levels of colour intensity grades. Plus Agilent has the industry's only segmented memory on both analogue and digital channels

Drag-and-drop measurements. Drag an icon from the measurement bar and drop it on the cycle you want to measure. Make up to five measurements on your waveforms, on up to five different cycles.

- InfiniiScan event identification software to isolate signal anomalies
- Advanced application analysis, including SPI, I²C, CAN, FlexRay, Ethernet and USB
- LXI class C compliant

InfiniiVision 9000 Series Oscilloscopes

Superior Signal Integrity. Deep Application Analysis. Better Insight

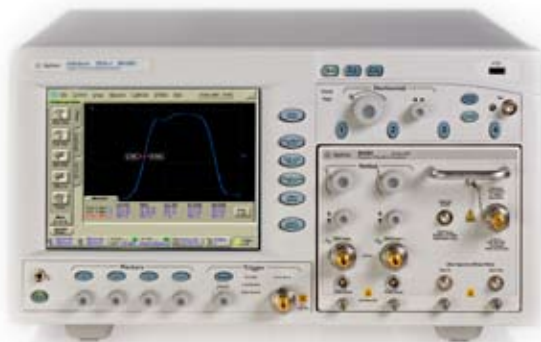


Powerful signal capture. Acquire 25 ms of PCI EXPRESS® Gen2 data at 40 GSa/s using 1 Gpts of memory to capture your signal of interest.

- Industry's only upgradeable bandwidth from 2.5 GHz to 13 GHz
- Industry leading MegaZoom ultra deep memory – 1 Gpts at 40 GSa/s on all four channels
- Leading glitch trigger. Consistently trigger on 200 ps single bit (one UI) of PCI EXPRESS® Gen2 using industry – leading <250 ps glitch trigger.
- Industry's only three level sequence triggering with InfiniiScan Plus trigger system
- Industry's lowest noise floor for both oscilloscopes and probes
- Industry's largest selection of application software packages, including: USB 2.0, Vector Signal Analysis PCI Express®, SATA, Wireless USB, DDR, HDMI, and more
- Industry's only server-based oscilloscope application software license solution

Infiniium DCA-J Series Sampling Oscilloscopes

Take the Fastest Path to the Right Answer



- Four powerful instruments in one unit: High-bandwidth sampling scope, digital communications analyser, time domain reflectometer and jitter analyser
- Wide bandwidth with the lowest residual jitter and noise for the highest precision waveforms
- The industry standard for analysis of optical communication signals
- Modular platform allows optical, electrical, TDR/TDT, and S-parameter measurements
- Advanced jitter and amplitude analysis at the push of a button
- Jitter spectrum, phase noise, and jitter transfer measurements on both electrical and optical signals

For further information on the latest scope promotions, applications or services, please call:

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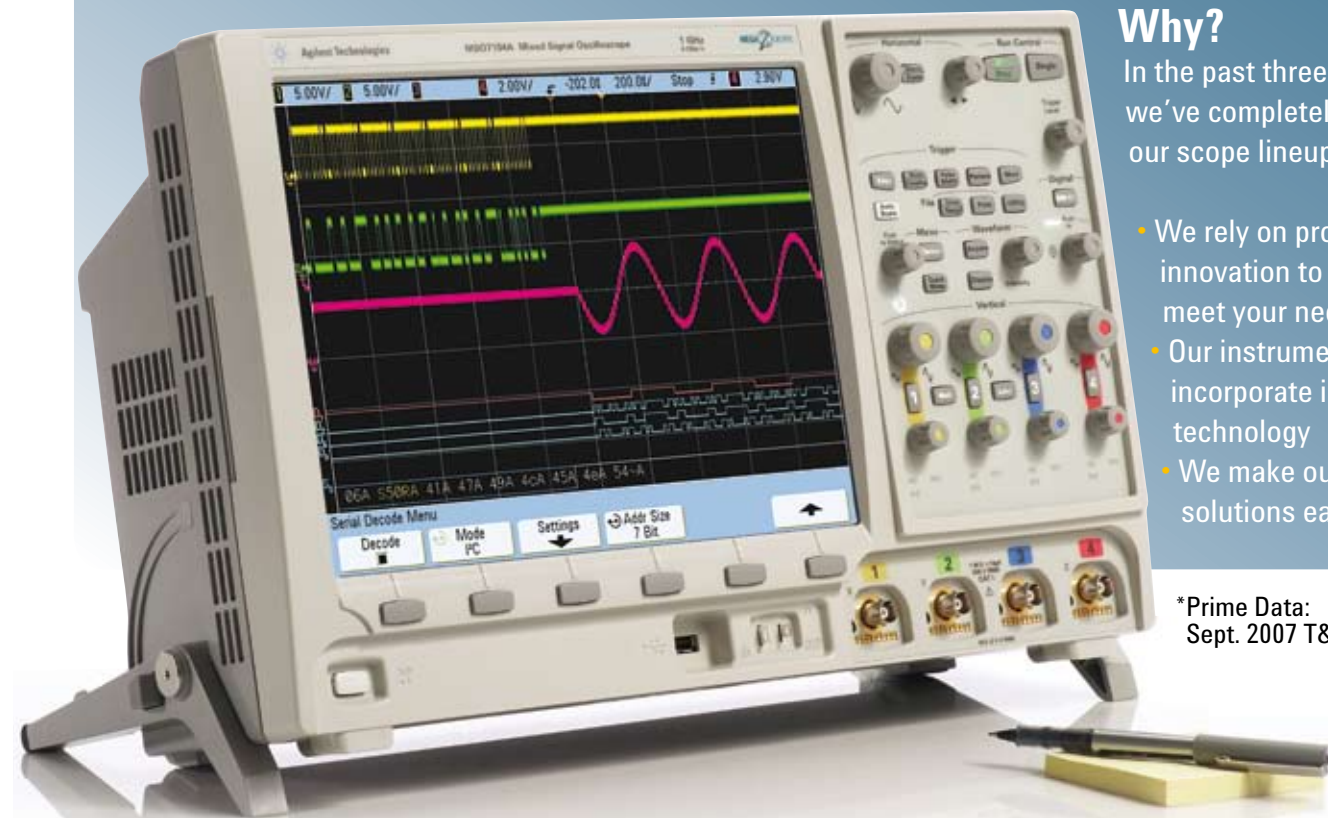
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Engineered
for the
BEST signal
visibility

Introducing Agilent's Newest Oscilloscope.
7000 Series InfiniiVision MSOs and DSOs

World's Fastest Growing
Scope Manufacturer,
Since 2002.*



Why?

In the past three years, we've completely refreshed our scope lineup.

- We rely on product innovation to better meet your needs
- Our instruments incorporate intelligent technology
- We make our scope solutions easy to use

*Prime Data:
Sept. 2007 T&M report



U1600 Series Oscilloscopes

Make High-Performance Measurements on the go



Sold exclusively through our distribution partners

Handheld high performance. In-plant or off-site, take advantage of a fully featured scope with 22 automatic measurement functions, advanced triggering, high sampling rate and deep memory.

Advanced waveform analysis. Use dual waveform maths (DWM) for signal addition and subtraction, and fast Fourier transform (FFT) functions to view the waveform in a frequency domain using four windowing techniques (U1604A only).

Easy connections. PC Link software handles your data collection, storage and documentation needs – or lets you control the unit remotely – using a USB 2.0 full-speed connection.

Display. See more clearly and differentiate simultaneous signals from both channels more easily with a 4.5" LCD colour display.

Mobile operation. Up to 4 hours battery life and robust package – makes an ideal companion.

3000 Series Oscilloscopes

Need Greater Insight on a Smaller Budget?



Colour display. All 3000 Series models have colour displays to allow you to quickly identify your signals, and the large size makes it easier for you to see more information.

Mask testing. Automatically compares incoming signals with a pre-defined mask, clearly highlighting signal changes.

Multi-language interface standard. Operate the oscilloscope in 11 languages of your choice.

Sold exclusively through our distribution partners

InfiniiVision 5000 Series Portable Oscilloscopes

Lab-Quality Measurement Capability in a Lunchbox-Sized Instrument



Sold exclusively through our distribution partners

1 Mpts of responsive MegaZoom III memory to see more details over more time.

Catch more glitches with **100,000 wfms/s update rate (up to 100 times faster than competition).**

View small signal anomalies that most scopes can't show you with a **high-definition XGA display with 256 levels of intensity.**

Serial triggering and hardware accelerated decode for **I²C, SPI, CAN, LIN, RS-232/UART and USB** (trigger only).

InfiniiVision 6000L Series Oscilloscopes

Migrate Your System to the Power of LXI



InfiniiVision 6000 Series Oscilloscopes

Fastest Way to Debug Your Design



Extremely fast and uncompromised update rate. View infrequent anomalies that most scopes miss with an update rate up to 5000 times better than the competition.

Fast digital debug. Combine analogue channels with 16 time-correlated digital channels for rapid debug.

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

Battery option available, with up to 3 hours battery life.

1U-high, 19" wide package to save valuable rack space.

LXI class C compliant

Code compatibility with InfiniiVision 5000/6000/7000 Series

Serial bus trigger/decode options including I²C, SPI, CAN, LIN and RS-232/UART.

DSO models upgradeable to MSO whenever you need greater capabilities.

InfiniiVision 7000 Series Oscilloscopes

Engineered for the Best Signal Visibility



NEW

Attractive. The revolutionary large (12.1"), high-definition (1024 x 768) colour display with 256 levels of intensity grading gives you a precise representation of the signals you're testing and easily accommodates up to 20 channels. Conserve bench space with the 6.5" depth.








Fast. MegaZoom III technology delivers up to 100,000 waveform acquisitions per second so the scope responds instantly and you won't miss infrequent events and critical signal detail.

Smart. Customise your scope with a wide range of application packages that provide meaningful insight into application-specific problems.

Best signal visibility. See critical signal detail and infrequent events like you never have before. Try our InfiniiVision 7000 Series scopes side-by-side with your current scope and experience the difference.

- **Serial bus trigger/decode** options including I²C, SPI, CAN, LIN, FlexRay, RS-232/UART
- **DSO models upgradeable to MSO** whenever you need greater capabilities

Model comparison chart

									
	U1600 Series	3000 Series	5000 Series	6000 Series	6000L Series	7000 Series	8000 Series	9000A Series	Infinium DCA-J Series
Channels	2	2	2, 4	2, 2+16, 4, 4+16	4 analogue to 16 digital (with MSO option)	2, 2+16, 4, 4+16	4, 4+16	4	4
Bandwidth	20 MHz or 40 MHz	60 MHz to 200 MHz	100 MHz to 500 MHz	100 MHz to 1 GHz	100 MHz to 1 GHz	350 MHz to 1 GHz	600 MHz or 1 GHz	2.5 GHz to 13 GHz	Module dependent to 65 GHz optical, 80 GHz electrical
Sample rate	200 MSa/s	1 GSa/s	4 GSa/s	4 GSa/s	4 GSa/s	4 GSa/s	4 GSa/s on all 4 channels	20 or 40 GSa/s	40 kSa/s
Memory depth	125 kB, std.	4 kpts, std.	1 Mpts, std.	8 Mpts, std.	8 Mpts.	8 Mpts, std.	8 Mpts, std. Up to 128 Mpts. opt.	10 Mpts, std. Up to 1 Gpts, opt.	Configurable
Connectivity & storage	USB: std. USB: opt.	USB: std. GPIB: opt.	USB: GPIB, LAN, XGA-out: std.	USB: GPIB, LAN, XGA-out: std.	USB, LAN, GPIB, XGA	USB, LAN, XGA-out: std.	USB 2.0, GPIB, LAN, RS-232, XGA-out: std.	USB 2.0 G/b Ethernet std., GPIB: opt.	USB, GPIB, LAN, RS-232: std.