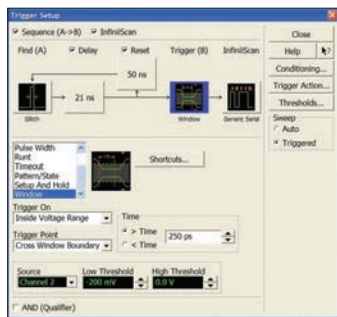
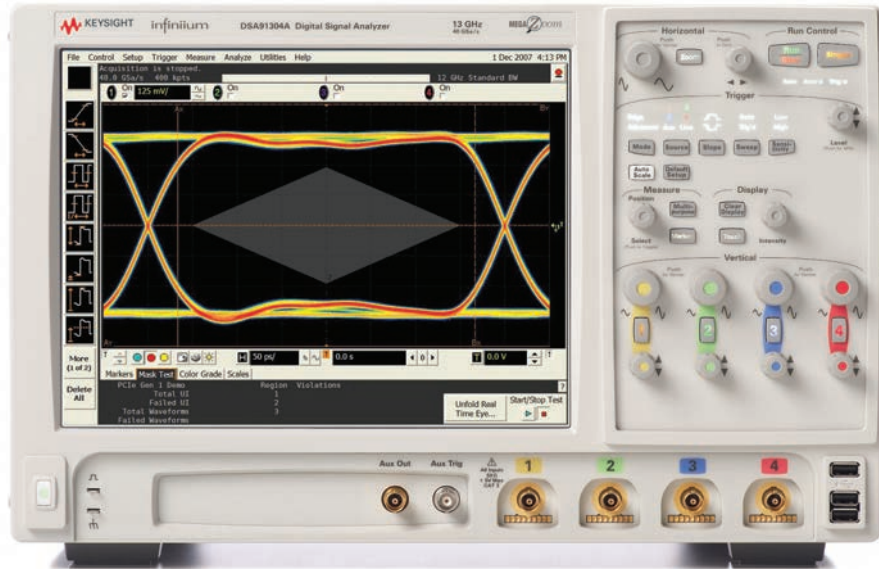
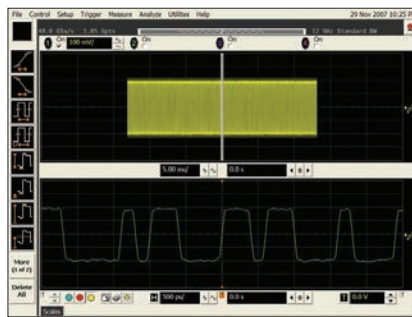


# Keysight Infiniium DSO/DSA90000A Series Oscilloscopes

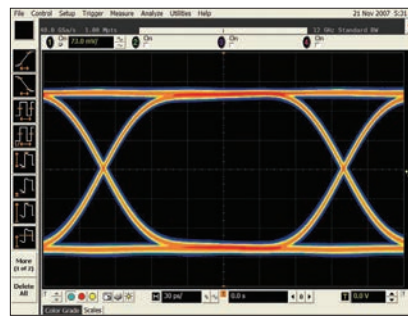
Engineered for superior signal integrity and measurement confidence.



The InfiniScan Plus trigger system provides the industry's only 3-level sequence trigger.



Acquiring 25 ms of data at 40 GSa/s using 1 Gpts of memory provides the highest chance of capturing your signal of interest.



The ultra-low noise floor shows the true performance of your device under test.

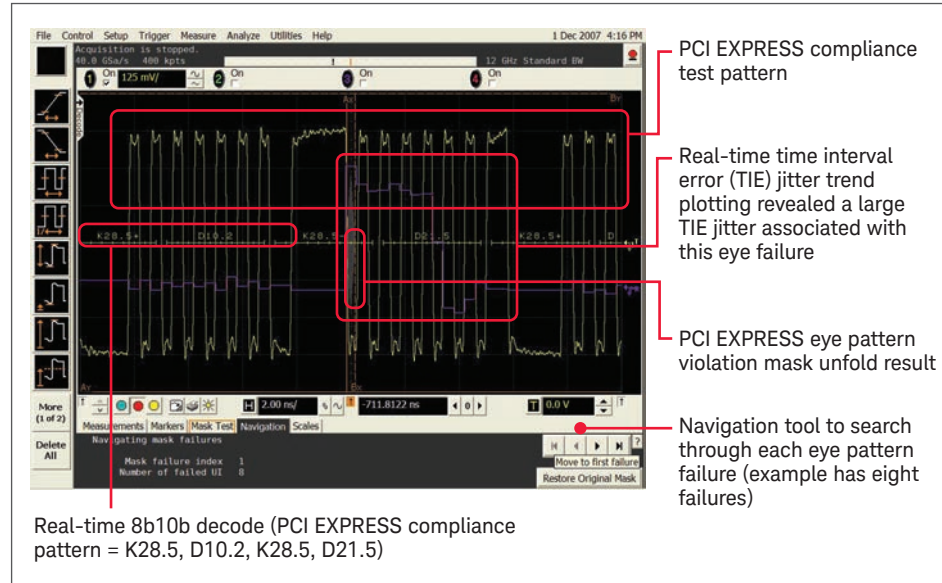
## Key specifications

Bandwidth	2.5 to 6 GHz	8 to 13 GHz
Sampling rate	20 GSa/s (all ch)	40 GSa/s (all ch)
Channels	4 channels	
Memory	10 Mpts standard (all ch), Up to 1 Gpts optional (all ch)	
Display	12.1 inch XGA touch screen, 256 levels of intensity	
Triggering	3 level sequence trigger (2 level HW +1 level SW). Edge, edge transition, edge then edge, glitch, line, pulse width, runt, timeout, pattern/pulse range, state, setup/hold, window, HDTV, non-monotonic, measurement, zone qualify.	
Max data transfer rate	22 MSa/s	
Max Wfm update rate	> 400,000 wfm/sec (segment memory mode)	
Applications	Eye pattern analysis, jitter analysis, Ethernet, USB 2.0, PCI EXPRESS®, HDMI, FB-DIMM, Fibre channel, Serial ATA, SAS, DisplayPort, XAUI, DDR1/2/3, FireWire®, I <sup>2</sup> C, SPI, CAN, FlexRay	

	Description
Low noise	Industry's lowest noise floor provides you the maximum design margin.
1 Gpts	Industry leading MegaZoom ultra deep, ultra responsive memory captures up to 25 ms of data at 40 GSa/s.
Advanced triggering	Industry's only three-level sequence triggering provides you the maximum triggering flexibility.
12.1 inch	Large XGA display provides maximum visibility into the scope's analysis.
22 MSa/s	Industry leading data transfer rate assures you a quick data transfer from the scope to your PC/server.
Applications	Industry's widest selection of applications. Application server license solution lets you share licenses across Infiniium scopes.

## Oscilloscope models

Model	Bandwidth	Channel	Sampling rate	Memory
DSO/DSA91304A	13 GHz	4	40 GSa/s all channels	Standard: 10 Mpts (20 Mpts for DSA) on all ch
DSO/DSA91204A	12 GHz	4		Optional: Up to 1 Gpts on all ch
DSO/DSA90804A	8 GHz	4		
DSO/DSA90604A	6 GHz	4	20 GSa/s all channels	
DSO/DSA90404A	4 GHz	4		
DSO/DSA90254A	2.5 GHz	4		



## [www.keysight.com/find/services](http://www.keysight.com/find/services)

Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.



## Recommended probes

Probes	
1169A	12 GHz InfiniiMax II probe
1168A	10 GHz InfiniiMax II probe
1134A	7 GHz InfiniiMax probe
1132A	5 GHz InfiniiMax probe
1131A	3.5 GHz InfiniiMax probe

## Applications

Analysis/Usability software options	
DSO90000A-002	EZJIT jitter analysis software
DSO90000A-003	High-speed serial data analysis software
DSO90000A-004	EZJIT Plus jitter analysis software
DSO90000A-005	Noise reduction and BW control option
DSO90000A-007	Low-speed serial data analysis software
DSO90000A-008	CAN serial data analysis software
DSO90000A-009	InfiniiScan event identification software
DSO90000A-010	Infiniium user defined function
DSO90000A-012	Infiniium serial data equalization
N8900A	InfiniiView oscilloscope analysis software

For more information on this and other Keysight scopes please visit [www.keysight.com/find/90000A](http://www.keysight.com/find/90000A)

## Options and accessories

Memory options (DSO/DSA)	
Option 20M	20 Mpts
Option 50M	50 Mpts
Option 100	100 Mpts
Option 200	200 Mpts
Option 500	500 Mpts
Option 01G	1 Gpts

Compliance software options	
DSO90000A-021	Ethernet compliance
DSO90000A-022	PCI EXPRESS compliance
DSO90000A-023	HDMI compliance
DSO90000A-024	FB-DIMM compliance
DSO90000A-027	SAS compliance
DSO90000A-028	DisplayPort compliance
DSO90000A-029	USB 2.0 compliance
DSO90000A-030	XAU1 compliance
DSO90000A-031	DDR1 compliance
DSO90000A-032	DDR2 compliance
DSO90000A-033	DDR3 compliance
DSO90000A-035	MIPI D-PHY compliance
DSO90000A-036	10 GBASE-T automated test application
DSO90000A-038	SATA 6 Gb/s compliance
DSO90000A-034	DVI compliance