Keysight Technologies
Infiniium 9000 Series vs. LeCroy WaveRunner 6Zi
Competitive Comparison

Keysight 9000 Series

LeCroy 6Zi Series

	LeCroy WaveRunner 6Zi Series		Keysight Infiniium 9000 Series	
Bandwidth	400 MHz, 600 MHz, 1 GHz, 2 GHz, 2.5 GHz, 4 GHz	■	600 MHz, 1 GHz, 2.5 GHz, 4 GHz	■
Upgradable bandwidth	No	□	Yes	■
Max sample rate (2-ch)	Up to 20 GSa/s (40 GSa/s on 2.5 and 4 GHz models)	■	Up to 20 GSa/s	■
Standard/max memory (2-ch)	32 Mpts/256 Mpts	■	40 Mpts/1 Gpts	■
Update rate (table on reverse side)	110 wfm/s with 100 Kpts	□	380 wfm/s with 100 Kpts	■
	12 wfm/s with 1 Mpts	□	350 wfm/s with 1 Mpts	■
	1 wfm/s with 10 Mpts	□	190 wfm/s with 10 Mpts	■
Biggest display	12" WXGA		15" (65% more display area)	■
Default setup and autoscale front panel buttons	No	□	Yes. All four vertical channel and horizontal knobs	■
Knob per channel	No (multiplexed knob controls)	□	Yes. All four vertical channel and horizontal knobs	■
Drag and drop measurements	No	□	Yes	■
Independently set sample rate and memory depth	No	□	Yes	■
InfiniiScan Zone triggering	Not available		Option. Up to 8 zones	■
12-bit models	Yes (400 MHz and 600 MHz HRO models)	■	No. High-res mode up to 12-bit resolution	□
Standard probes	500 MHz passive	■	500 MHz passive	■

MSO Comparison	LeCroy WaveRunner 6Zi Series		Keysight Infiniium 9000 Series	
Form factor	External pod	□	Integrated	■
MSO sample rate	Up to 2 GSa/s	■	Up to 2 GSa/s	■
MSO memory depth (std/max)	50 Mpts/50 Mpts	□	128 Mpts/128 Mpts	■
Analog + digital pattern triggering	Yes, but with 39 ns trigger skew	□	Yes	■
Segmented memory support, autoscale, FPGA app	No for digital	□	Yes	■

KEYSIGHT
TECHNOLOGIES

Benefit of Large Display Size

15" VS 12" display

LeCroy
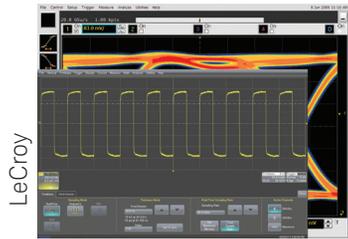
1. Easier to see signal detail
2. Easier to drive (font size)
3. Easier for multiple people to see
4. Bigger touch screen field for easier control

Keysight has 65% more display area
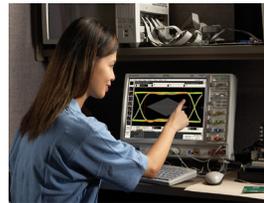
Benefits of Fast Update Rate

– See infrequent events
– Better view of signal detail
– Responsive controls
– Faster post-processing/analysis

Scope (Memory depth)	LeCroy 6Zi		Keysight 9000	
	Waveform/Sec			
100 Kpts	40	□	550	■
1 Mpts	12	□	500	■
10 Mpts	1	□	300	■

Protocol Comparison

Protocol Comparison	LeCroy WaveRunner 6Zi Series		Keysight Infiniium 9000 Series	
Multiple protocol decode	Yes. Up to 4	■	Yes. Up to 4	■
Color-coded lister rows	No color in lister	□	Yes	■
Multi-tab protocol viewer	No	□	Yes (header, payload, packet, details)	■
Decode of off-screen data	No	□	Yes	■
Extensive packet searching	No	□	Yes	■
Decode support with segmented memory	No	□	Yes	■
Pre-saved waveforms for rapid evaluation + 14-day trial licenses	No	□	Yes	■

Front Panel

LeCroy 6Zi Series

– **Default setup** button missing
– **Autoscale** button missing

User must go in menu structure to find both

– **No vernier horizontal** scaling
– Complex **multiplexed channel knobs**

Keysight 9000 Series

– Autoscale and default setup button
– Vernier horizontal scaling

– Easy-to-use knob-per-channel
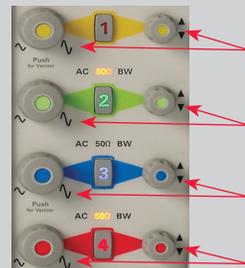
Separate vertical scale and offset knobs per channel

KEYSIGHT
TECHNOLOGIES