HD3 Series Oscilloscope



4x the resolution, half the noise

The InfiniiVision HD3 Series oscilloscope enables you to capture small signals more accurately with its low noise front-end and 14-bit ADC. This offers you 4x more vertical resolution relative to other 12-bit oscilloscopes. Combine this with the uncompromised waveform update rate, powerful new features such as Fault Hunter, deep memory, and hardware accelerated testing, and the HD3 Series is the perfect oscilloscope for your applications.



Option	Description		
HD3WAVEGEN	100 MHz WaveGen		
HD3SECURE	Enhanced security		
HD300EMBA	Embedded software package		
HD300AUTA	Automotive software package		
HD3COVER	Front panel cover		
HD3CASE	Soft carrying case		
HD3RACK	Rack mount kit		

	TIDSUZINISO			11D304W30				
Standard Bandwidth	200 MHz			200 MHz				
Bandwidth Options	HD302MSO-350	HD302MSO-500	HD302MSO-01G	HD304MSO-350	HD304MSO-500	HD304MSO-01G		
	350 MHz	500 MHz	1 GHz	350 MHz	500 MHz	1 GHz		
Analog Channels	2			4				
Digital Channels	16							
Vertical Resolution	14 bits (up to 16 bits in high-resolution acquisition mode)							
Memory	Standard		HD3MEM-050		HD3MEM-100			
	20 Mpts/channel		50 Mpts/channel		100 Mpts/channel			
Maximum Sample Rate	3.2 GSa/s per channel							
Maximum Waveform Update Rate	> 1,300,000 waveforms/sec							
Dimensions (W x H x D)	33.5 cm (13.2 in) x 26.2 cm (10.3 in) x 16.8 cm (6.6 in)							
Weight	5.25 kg (11.6 lbs)							
Localized Overlay	English, Chinese (simplified), Chinese (traditional), French, German, Italian, Japanese, Korean							

HD304MSO

HD302MSO



More Information: www.keysight.com/find/HD3



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Portable Precision

- Analyze the smallest signals in your design with extreme accuracy
- High vertical resolution (ADC and ENOB)
- Low noise front-end

Custom Technology

- Custom components optimized for oscilloscope measurements
- New deep memory architecture
- Analyze and debug faster with hardware-based zone triggering, serial, mask, and more
- Automatic debug software Fault Hunter

Versatile Functionality

- Dive deeper with more flexibility in the user interface (split grids, custom thresholds, bandwidth limiting options, and more)
- Immediate license upgrade no return to factory
- From power integrity to medical imaging to general debugging, the HD3 provides the highest accuracy for your most challenging measurements



Utilize the full ADC and vertical resolution for every channel with split grids. Split FFT and math functions onto separate grids as well, letting you easily view and analyze your signals.

Fault Hunter is an automatic debug tool, enabling you to easily analyze glitches, slow edges, runts and more while you do other work. Debugging has never been easier.



Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.

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