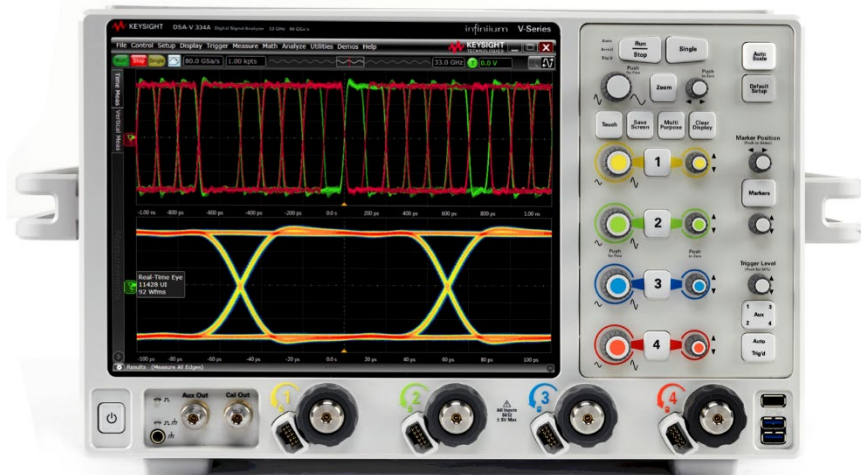


Keysight Infiniium V-Series Oscilloscopes

Industry-Leading Accuracy that Ensures Greater Clarity in Analysis and Debug of High-Speed Designs



Advanced hardware to achieve clarity faster

- **True analog bandwidth to 33 GHz:**
Hardware acquisition performance to full bandwidth
No DSP boosting or frequency interleaving
Models available from 8 GHz to 33 GHz of bandwidth
- **The industry's lowest noise floor in its class:**
Less noise from your instrument guarantees more accurate results
Maximize eye height measurements and guarantee margins
- **Extremely low intrinsic jitter:**
See your true jitter and not the oscilloscopes, making RJ/DJ separation
and jitter measurements more accurate
Make accurate cross correlated phase noise measurements

For more information visit: www.keysight.com/find/V-Series

The industry's most comprehensive application-specific software

The intuitive Infiniium oscilloscope user interface, extensive protocol decodes, and comprehensive portfolio of compliance software make it easy to debug and validate even the most sophisticated designs.

Best RC architecture 25 GHz Probing System

An oscilloscope is only as good as the probing system that provides you access to the device you are measuring. Keysight InfiniiMax Ultra probes provide you with the low noise and high bandwidth required for your probing needs.

For more information on InfiniiMax Ultra probes visit:
www.keysight.com/find/InfiniiMax

Key Specifications

Product	Description
Bandwidth	33, 25, 20, 16, 13 and 8 GHz
Channels	4 channels – 3.5 mm AutoProbe II
Sample rate	80 GSa/s 2 ch, 40 GSa/s 4 ch
Memory depth	100 Mpts/channel standard Up to 2 Gpts/channel available
Edge trigger	> 20 GHz
Mixed signal	20 GSa/s on 8 ch, 10 GSa/s on 16 ch
Serial trigger	12.5 Gb/s, 160-bit sequence
PC OS	Windows 10



Find us at www.keysight.com

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Infiniium V-Series Oscilloscope Models

Oscilloscope models (All V-Series models include 4 analog channels)			Analog bandwidth		Sample rate	
DSO models ¹	DSA models ²	MSO models ³ (16 digital channels)	2 channel	4 channel	2 channel	4 channel
DSOV334A	DSAV334A	MSOV334A	33 GHz	16 GHz	80 GSa/s	40 GSa/s
DSOV254A	DSAV254A	MSOV254A	25 GHz	16 GHz	80 GSa/s	40 GSa/s
DSOV204A	DSAV204A	MSOV204A	20 GHz	16 GHz	80 GSa/s	40 GSa/s
DSOV164A	DSAV164A	MSOV164A	16 GHz	16 GHz	80 GSa/s	40 GSa/s
DSOV134A ⁴	DSAV134A ⁴	MSOV134A ⁴	13 GHz	13 GHz	80 GSa/s	40 GSa/s
DSOV084A ⁴	DSAV084A ⁴	MSOV084A ⁴	8 GHz	8 GHz	80 GSa/s	40 GSa/s

All models come with front cover, power cord, keyboard, mouse, calibration cable, ESD wrist strap and (5) coax adapters

¹ Digital Storage Oscilloscope (DSO) models come standard with 100 Mpts/ch of memory

² Digital Signal Analyzer (DSA) models come standard with 200 Mpts/ch of memory and jitter analysis software

³ Mixed Signal Oscilloscope (MSO) models come standard with 100 Mpts/ch of memory, 16 digital channels and DDR protocol SW

⁴ V-Series 8 and 13 GHz models come standard with two N5442A precision BNC adapters

Advanced Analysis Software

Model	Description
D9120ASIA	Advanced Signal Integrity (EQ, InfiniSimAdv, Crosstalk)
D9120JITA	Jitter, Vertical Noise and Phase Noise Analysis
D9120SCNA	InfiniScan Event Identification
D9110DMBA	Basic De-embedding (Precision Probe and InfiniSim Basic)
D9120PAMA	Pulse Amplitude Modulation PAM-N Analysis
D9110POWA	Power Integrity Analysis
D9110UDAA	User Defined Application

Protocol Decode and Triggering Software

Model	Description
D9110AUTP	Automotive Protocols (CAN, LIN, CAN-FD, FlexRay ...)
D9120AUTP	High-speed automotive protocol decode/trigger software (100/1000BASE-T1)
D9110EMBP	Embedded Protocols (USB2.0, eUSB2, 10/100 ETH, PCIe 2/1 ...)
D9110LSSP	Low Speed Protocols (I2C, SPI, RS232, I2S,...)
D9110MCDP	MIPI CSI and DSI (C-PHY and D-PHY)
D9110MILP	Military (ARINC 429, MIL-STD 1553, SpaceWire)
D9110MPLP	Low Speed MIPI (RFFE, I3C, SPMI)
D9110MPMP	MIPI M-PHY (DigRF, LLI, CSI-3, UniPro, UFS, SSIC)
D9110PCIP	Advanced PCIe (PCIe 5/4/3/2/1, SATA/SAS)
D9110USBP	USB 3.x (USB 3.2 - 5 and 10 Gbps)
D9110BDLP	Basic Infiniium Protocol Bundle
D9120BDLP	Complete Infiniium Protocol Bundle

Learn more at: www.keysight.com

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Compliance Applications

Model	Description
D9010BJAC	40GBASE-CR4 and 100GBASE-CR10 Tx
D9010EAPC	Ethernet 10GBASE-KR Tx
D9010EBSC	IEEE802.3bs/cd
D9010EBZC	10G, MGBase-T, Nbase-T Ethernet Tx
D9010ETHC	Ethernet Tx (Ethernet, EEE)
D9010SFPC	SFP+ Tx
D9010XAUC	XAUI Tx
D9040PCIC	PCI Express Tx
D9010CPHC	MIPI C-PHY Tx
D9020DPHC	MIPI D-PHY Tx
D9040MPHC	MIPI M-PHY Tx
D9010USBC	USB 2.0 Tx
D9020USBC	USB 3.2 Tx
D9021HDMC	HDMI Tx
D9040DPPC	DisplayPort Tx
D9040EDPV	eDP Tx Validation
AE6910T	Automotive Ethernet up to 5G
AE6920T	Automotive Ethernet up to 10G
AE2010T	Automotive SerDes T
D9040DDRC	DDR4 and LPDDR4 Tx
D9050DDRC	DDR5 Tx
D9050LDDC	LPDDR5 Tx

KEYSIGHT SERVICES

Accelerate Technology Adoption. *Lower costs.*

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.

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