

LECROY (TELEDYNE LECROY)

WavePro 725Zi-A

The LeCroy WavePro 725Zi-A is a 2.5 GHz, 4-channel digital oscilloscope from the WavePro 7 Zi-A Series. Featuring a 15.4" WXGA color display and the advanced X-Stream II architecture, it provides fast throughput, exceptional responsiveness, and long memory performance, delivering up to 40 GS/s sampling rate and 40 Mpts/ch in interleaved mode. The WavePro 725Zi-A is designed for high-performance debugging, validation, and compliance testing of electronic designs.

SPECIFICATIONS

General

Display	15.4" WXGA Color Display
---------	--------------------------

Vertical System

Analog Bandwidth	2.5 GHz
Input Channels	4
Input Coupling	ProBus inputs - 1 Mohm: AC, DC, GND; 50 ohm: DC, GND
Vertical Resolution	8-bit (up to 11-bit with Enhanced Resolution)
Vertical Sensitivity Range (50 Ω)	2 mV/div - 1 V/div (fully variable)
Vertical Sensitivity Range (1 M Ω)	2 mV/div - 10 V/div (fully variable)

Horizontal & Acquisition System

Real-Time Sampling Rate (4 Channels)	20 GS/s
Real-Time Sampling Rate (2 Channels)	40 GS/s
Random Interleaved Sampling (RIS) Rate	200 GS/s for repetitive signals
Timebase Type	Internal timebase common to 4 channels (external clock supported)

Trigger System

Trigger Modes	Normal, Auto, Single, Stop
Basic Triggers	Edge, Window, TV-Composite Video
Trigger Sources	Any input channel, Aux, Aux/10, or line
Trigger Coupling Modes	DC, AC, HFRej, LFRej
Post-trigger Delay Range	0 to 10,000 divisions in real-time mode
Trigger Hold-off Range	2 ns to 20 s, or 1 to 99,999,999 events
Internal Trigger Range	± 4.1 divisions from center
External Trigger Input Range (Aux)	± 0.4 V
External Trigger Input Range (Aux/10)	± 4 V

Connectivity & Interfaces

Network Communication Standard	VXI-11 or VICP, LXI Class C (v 1.2) Compliant
LSIB Port (Optional)	Supports PCIe Gen1 x4 protocol with LeCroy supplied API
Ethernet Port	10/100/1000BaseT Ethernet (RJ45 port)
USB Ports	Minimum six total (including three front panel) USB 2.0 ports
Peripheral Bus	LeCroy LBUS standard
Remote Control Interface	Windows Automation or LeCroy Remote Command Set

Hardware & Processor System

System Architecture	X-Stream II (optimized for throughput, long memory, and responsiveness)
---------------------	---

Math & Analysis Capabilities

Advanced Triggering Capabilities	TriggerScan (high-speed hardware triggering with persistence display)
Advanced Search & Analysis Tools	WaveScan (more than 20 search modes)

Computer System

Processor	Intel Core i7-2600 Quad-core, 3.4 GHz
Operating System	Windows 7 Professional (64-bit)

Environmental

Operating Humidity	5% to 80% RH (non-condensing) up to 31 °C, decreasing linearly to 50% RH at 40 °C
Operating Altitude	Up to 3,000 m (10,000 ft) at 25 °C
Storage Temperature Range	-20 °C to +60 °C
Storage Altitude	Up to 12,192 m (40,000 ft)

General Specifications

Calibration Interval	1 year
----------------------	--------

TECHNOLOGY

Digital Phosphor / Digital Storage Oscilloscope (DSO)

APPLICATIONS

Electronic Design, Debugging, Validation, Jitter Analysis, Compliance Testing

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.