

WAVECATCHER

**Oscilloscope Tool
for 743 digitizer
family**



Features

- Software by CNRS/IN2P3/LAL to control x743 digitizers
- Single-board communication and data acquisition management
- Multi-board control of V1743/VX1743 basing on multiple software instances
- Friendly Graphical User Interface for board configuration and on-line measurements setting
- Waveforms, charge and time distance histograms advanced plotting
- Advanced menu for Rate, Noise and Time measurements
- Saving and recalling options for configuration parameters and data
- Data saving (waveforms and/or measurements) in ASCII and Binary file formats for storage or off-line analysis
- Compliant with Windows OS

Description

The WaveCatcher software and the Waveform Recording firmware for 743 family is a complete oscilloscope-like tool made by CNRS/IN2P3/LAL, which is able to control a single board belonging to the CAEN 743 Digitizer series. By a multi-instance simple procedure, also synchronized multiple V1743/VX1743 boards can be managed.

A graphical user friendly interface is available to take benefit of all the functions of the hardware: selectable sampling frequency, different trigger modes, waveforms and charge data acquisition, channel pulses, etc.

The system also features different tools for on-line measurements and histograms plotting: graphical cursors, noise level, raw hit rates, charge amplitude and time measurements, time distance histograms between channels (fixed threshold and digital CFD methods), charge histograms, FFT, etc.

All acquired data and computed measurements can be saved to files for further off-line analysis.

Supported Operating Systems:	Windows (32-64 bit)
Supported Products:	743 Digitizer family
Supported Comm. Interface:	USB, Optical Link, VME
Additional Software Required:	NI LabWindowsTM/CVI Run-Time Engine 2009 or higher

Related Products

VX1743



16 Input Channel 12bit 3.2 GS/s Switched Capacitor Digitizer

DT5743



8 Input Channel 12bit 3.2 GS/s Switched Capacitor Digitizer

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CAEN S.p.A.

Via Vetraia 11
55049 - Viareggio
Italy

Phone +39.0584.388.398

Fax +39.0584.388.959

info@caen.it

www.caen.it

CAEN GmbH

Brunnenweg 9
64331 Weiterstadt, Germany

Phone +49 (0)212.254.4077

Mobile +49 (0)151.16.548.484

info@caen-de.com

www.caen-de.com

CAEN Technologies, Inc.

1 Edgewater Street - Suite 101
Staten Island, NY 10305
USA

Phone +1.718.981.0401

Fax +1.718.556.9185

info@caentechnologies.com

www.caentechnologies.com

CAENspa India Private Limited

B205, BLDG42, B Wing,
Azad Nagar Sangam CHS,
Mhada Layout, Azad Nagar, Andheri West
Mumbai, Maharashtra 400053, India

info@caen-india.in

www.caen-india.in

