

## AcquiFlex, Acquitek Software Toolbox

- Oscilloscope Display mode
  - Waveform Generator Editor
  - Logic Analyzer Display mode

### Features

#### AcquiFlex software

##### Oscilloscope Display Mode

- Time domain display
- Zoom display
- Frequency domain display
- Waveforms parameters
- Streaming to PC RAM
- Decimation mode
- Digital Filtering
- Waveform storage & Print
- Waveform AutoSave
- Save & Restore Setup

##### Waveform editor

- Standard functions
- User file
- Waveform Display

##### Logic pattern display

- Graphic display

### Description

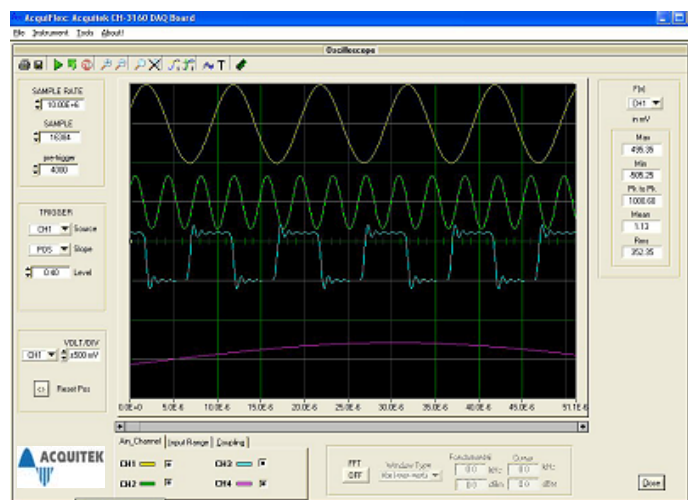
AcquiFlex, easy to use software toolbox, is the ideal package to monitor and display long record waveforms and fully control PC based digitizers likewise an oscilloscope or a transient recorder. As time to Market is the priority for most of the engineers, AcquiFlex allows almost immediately to get the maximum of the digitizer performances without a line of programming.

The very simple and intuitive interface allows the adjustment of all the key settings of a digitizer or waveform generator as such the input range, the sampling rate, the record length , ...), as well as the fast display of very long waveform, up to 64M samples, the zooming on a particular segment and the storage of the acquired waveform.

The stored data are available in multiple format, Binary or ASCII, ready to use with all the most popular Analysis package.

Power full tools as FFT analysis, Averaging, Digital Filtering and Waveform Parameters are available.

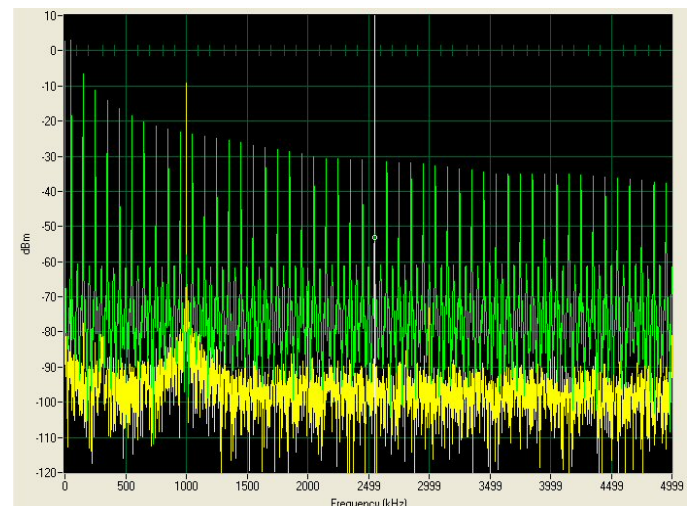
## AcquiFlex



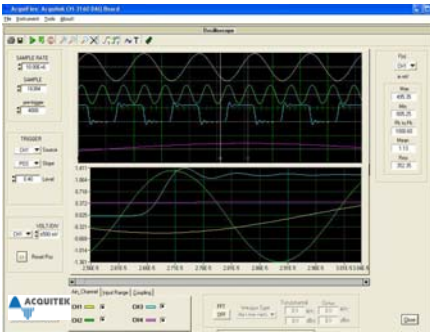
### Easy to use

No programming for:

- Design and Debug
- Education and Training
- Service and Repair
- Research Laboratory



# AcquiFlex Software Description



## Oscilloscope Display

AcquiFlex provides an easy to use Oscilloscope display mode with fast refresh rate of up to four simultaneous channels.

Oscilloscope display allows simultaneously to display the entire waveform and with horizontal zoom mode enabled, a selected segment of the acquired waveform for fine analysis. The size of the zoom is define with the horizontal cursor

The streaming mode combine with the decimation algorithms allows the display of up to 64M samples in one channel mode or 32M samples in two.

Streaming to disk: Call ACQUITEK

The AutoSave mode waveform monitoring and automatic saving on trigger to disk with time and date stamping information

The acquired data can be save of disk in multiple format:

- Binary
- ASCII
- AWG (for playback mode)

Average & infinite persistence mode are available for glitch monitoring and long run acquisition.

Digital Filtering with Low-Pass, High-Pass, Band-Pass and Band-Stop Filter bank.

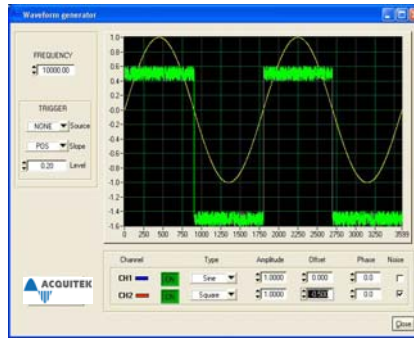
Cursor with readout

## Ordering info

AcquiFlex , Acquitek Software toolbox

AcquiFlex : AcquiFlex Software tools

AcquiFlex support the following modules:  
All CH & XH series



## Waveform Editor

AcquiFlex Waveform editor can output standard waveforms such as sine, triangular, square waves, ramp, saw tooth, white noise and DC level, combined or not with a 10% white noise and offset.

AcquiFlex Waveform editor allows the user to control the phase angle between the two outputs.

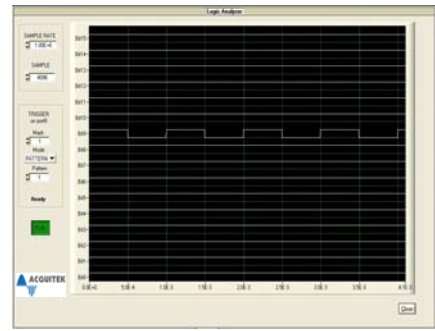
AcquiFlex allows the user create arbitrary waveforms by loading signal files.

AcquiFlex software allows the user to select the clock rate which is to be used to generate a specific pattern and the waveform length.

## AcquiFLEX32

AcquiFlex is also available for Master/Slave configuration of CH3160 cards, supporting up to 32 Channels.

AcquiFLEX32 is the standard Software provide with the Data recorder AcquiREC32

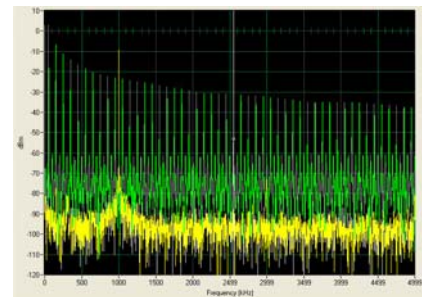


## Logic Analyzer Display

AcquiFlex Pattern Display allows simultaneous graphic mode display of the 16 digital inputs.

AcquiFlex software allows the user to select the clock rate which is to be used to generate a specific pattern and the memory depth

Trigger available on an 8 bits words or free mode.



## Spectrum Analyzer

AcquiFlex provides a Frequency domain display mode with fast refresh rate of four simultaneous channels.

Seven from the most popular windows are available:

- Blackman Harris
- Exact Blackman
- Hamming
- Blackman
- Hanning
- Rectangular
- Flat top