

## Characteristics summary:

### Basic information:

Maximum Sampling Rate	20 MSPS (Million Samples Per Second).
Maximum Sampling depth	256K Samples per channel.
Number of input/output channels	4

### Generator mode and Mixed (Input/Output) mode:

Simultaneous capture and generation	Generate data on 1 or 2 channels, and record the response on the 2 remaining channels.
Maximum output frequency	10 MHz.
Generator options	Square signals, PWM signal, FM signals, Modulated signals with adjustable envelope, user defined bit pattern, serial UART data.
Possible configurations	4 inputs, 4 outputs, 2 inputs and 2 outputs.

### Trigger options:

Pre-Trigger data display	0% to 100% (allows to focus on post or pre-trigger data).
Trigger modes	Rising edge, Falling edge, Logic change on a specific channel, logic change on any channel.

### Input and output characteristics:

Supported input logic levels	2.8V, 3V, 3.3V, 3.6V and 5V.
Allowed input voltage range	-0.7V to 5.5V.
Output voltage levels	0V to 3.6V.

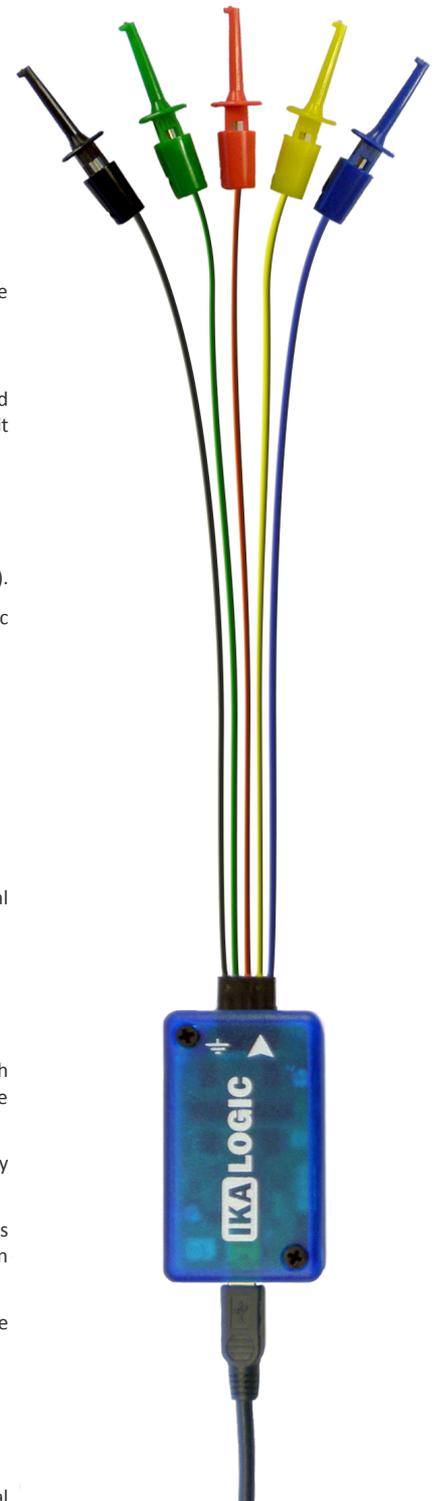
### Software characteristics summary \*:

Compatible software suite	ScanaStudio (Used for device configuration, signal visualization and protocol decoding).
Supported protocols (regularly updated)	UART, SPI, I2C, 1-wire, CAN, LIN 1.x & LIN2.x.
Dual data view	Used to compare various data captures by superposing them on the same chart view.
Markers and time measurements	Unlimited markers and time measurements, with automatic displaying of Time, Frequency and Duty cycle between two markers.
Export printer friendly images	With customizable legend on each channel. Perfectly adapted to report writing.
Workspace save/reload	Workspace is saved with all markers, time selections and user comments. Saved file is compressed and can be easily sent to another user by mail.
Data generator wizard	Allow user-friendly visual configuration of signals to be generated.

\* ScanaStudio software is regularly updated to add new features to your SCANALOGIC-2 Logic Analyzer.

### Additional features:

Auto-refresh capability	Start a new data acquisition periodically.
FFT	Fast Fourier transformation allows in depth Frequency analysis of PWM and FM signals.



For more information: [www.ikalogic.com](http://www.ikalogic.com)