Open Sonics

COMPACT INNOVATION

- FOR ACADEMIC RESEARCH AND MEDICAL DEVICES (OEM)
- FULL OPEN PLATFORM WITH ERGONOMIC DESIGN
- SUPPORTING MULTIPLE SOFTWARE LANGUAGES

Open. Pilot+

SYSTEM

Configurations	8 parallel channels per unit
Channel Mode	Full Parallel and Multiplexed
Dimensions	240 × 140 × 45 mm 9.45 × 5.51 × 1.77 in.
Weights	< 1.5 Kg / 3.3 lb
Synchronization	Input/Output Triggers, Encoders
I/O Count	8
I/O Connector	D-Sub 15 female connector
I/O Pin Assignments	Programmable

RECEIVER

Receiver Count	8 Parallel Channels
Receiver Resolution	27 bits (no analog gain required)
Receiver Gain Range	162 dB at once
Receiver Bandwidth	0.3 to 20 MHz (50 kHz optional)
Receiver Input	± 10 V
Ascan Resolution	8, 16, 27 bits, linear and log scale
Ascan Sampling	100 MHz
Decimation	50, 33, 25, 20, 16.65, 14.28, 12.5...MHz

TRANSMITTER

Transmitter Type 1	8 Negative Square Pulsers (from 25 to 400V)
Transmitter Type 2	8 Bipolar Pulsers 200Vpp (AWG in option)
Pulse Width	30 to 1000 ns
Pulse Width Resolution	4 ns

COMMUNICATION

Communication Link	LAN 1 Gb
Data Flow	100 MB/s
Protocol	TCP/IP

SOFTWARE

Acquisition SDK	Open Source C++ SDK
Programming APIs	C++, Python, MATLAB, etc...
Operating Systems	Windows, Linux

Photos and specifications not contractual.

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