



AGILE PERFORMANCE

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

Open Explorer

PULSER

Pulser Voltage	Up to 150 V (200 V in option)
Pulse Type	Negative Square
Pulse Width	30 to 1000 ns (lower frequency in option)
Pulse Width Resolution	4 ns
Pulse Focusing Delay	0 to 40 μ s
Pulse Delay Resolution	4 ns
Maximum PRF	20 kHz

COMMUNICATION

Communication Link	LAN 10 Gb (TCP/IP)
Data Flow	1 GB/s

RECEIVER

Receiver Resolution	14 bits
Receiver Gain Range	110 dB
Receiver Bandwidth	0.3 to 20 MHz (50 kHz optional)
Receiver Focusing Delay	0 to 40 μ s at 100MHz

SYSTEM

Configuration	128/128
Ultrasound Imaging Modes	Pulse-Echo (B-mode), Doppler, STA, etc...
Dimensions	300 x 140 x 80 mm 11.81 x 5.51 x 3.15 in.
Weights	<3.0 kg / 6.61 lb
Mounting Option	Tool-free docking system
Open Source SDK	Yes (Fully Documented API)
Software Languages	C++, Python, C#, LabVIEW, MATLAB, etc...
Operating Systems	Windows, Linux
AFM-API (High level API)	Including advanced beamforming methods...

SIGNAL PROCESSING

Ascan Resolution	8, 16 bits
Ascan Sampling	100 MHz
Decimation	50, 33, 25, 16.65, 14.28, 12.5 MHz...

I/O MANAGEMENT

Synch In	Pulse Trig, Sequence Trig, Encoders
Synch Out	Pulse Trig, Sequence Trig
Pin Assignments	Programmable
Number I/O	14 (8 Inputs, 6 Outputs)

Photos and specifications not contractual.