

OEM-PA

Customize Your Solution!

PULSER

Pulse Voltage	145V
Pulse Type	Negative Square
Pulse Width	10~1000ns
Pulse Width Resolution	4ns
Pulse Focusing Delay	0~40µs
Pulse Focusing Delay Resolution	4ns
Maximum PRF	20KHz

RECEIVER

Receiver Sensitivity	550mV
Receiver Gain Range	16~110dB
Receiver Bandwidth	0.3 to 20MHz
Receiver DAC (digital)	80dB, Up to 64 points
Receiver Focusing Delay	0~40µs
Focusing Delay Resolution	5ns
DDF	Up to 64 points

GATES

Number of Gates	4
Interface Echo Tracking (see below)	Yes
Synchronization (same cycle)	Yes
Synchronization (other cycle)	Yes
Mode	Max, Min, ABS, Zero before, Zero after

COMMUNICATION ¹

LAN (100BT Connection)	5 MB/s	(STANDARD)
LAN (1000BT, Gigabit Ethernet)	10 MB/s	(UPGRADE)
USB3.0 Interface (128/128 only)	160MB/S	(UPGRADE)

¹ The maximum data rate can vary according to the PC, the OS setting, and the Software environment.



Advanced Phased Array

- Small size- Hold in the palm of your hand
- Open platform for easy integration
- Unbeatable prices

SIGNAL PROCESSING

FIR Filter	Up to 64 taps
Different Filter per Cycle	Choose from 15 user defined filters
A-Scan Sampling	100MHz
Decimation	50MHz, 33, 25, 16.65, 14.28, 12.5
Compression	Yes
A-Scan Video	Yes
Acquire All A-Scans	Yes
A-Scan Length	>32KB
Rectification	Yes

SYSTEM

Configurations	16/16, 16/128, 32/32, 32/128, 64/64, 128/128, 256/256 2048 (Optional 4096)
Max Number of Cycles	8, 12, 16 bits
A-Scan Resolution	Lin, Log
A-Scan Mode	110x80x40 mm ³ for bare electronics 110x70x80 mm ³ for bare electronics
16/16	Starting at 380g for bare electronics
64/64	Yes
Weight	Yes (Fully Documented API)
Temperature Sensors	C++, C#, LabVIEW, MATLAB, and more
Open Source SDK	Yes (Optional Upgrade)
Software Languages	Yes (Optional Upgrade)
Full-Matrix Capture	Yes (Optional Upgrade)
3D Focal Law Calc for Matrix PA	
Power Consumption ²	
16/16	16.5W
32/32	23W
64/64	36W
16/128	21W
32/128	28W

² Measured at a 2kHz PRF with a 5MHz probe with all channels enabled

I/O MANAGEMENT

Encoders	X, Y
Encoder Modes	Quadrature, Quadrature4edges, Direction Count, Forward Backward
Synch In	Pulse trig, Sequence Trig, Encoders
Synch Out	Pulse trig, Sequence Trig, Output
TimeStamps	Yes (Position and Line Speed)
Pin Assignments	Programmable
Number I/O	6 Inputs, 6 Outputs