

OEM-MC

Start Customizing Today!

PULSER

Pulse Voltage	145V
Pulse Type	Negative Square
Pulse Width	10~1000ns
Pulse Width Resolution	4ns
Maximum PRF	20kHz

RECEIVER

Maximum Input Range	550mV
Receiver Gain Range	15~99dB
Receiver Bandwidth	0.3 to 20MHz
Receiver DAC (digital)	36dB

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)

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



- Parallel Firing Mode!
- Same software platform as OEM-PA!
- Small Form Factor!

SIGNAL PROCESSING

FIR Filter	Up to 64 taps
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	<8kB
Rectification	Yes

SYSTEM

Configurations	16 or 32 channels
Channel Mode	Parallel or Multiplexed
A-Scan Resolution	8, 12 bits
A-Scan Mode	Lin, Log (8 bits resolution)
Size 16ch	110x70x40 mm for bare electronics
Size 32ch	110x70x50 mm for bare electronics
Weight (16ch or 32ch version)	<300g for bare electronics
Probe Connector	SMB(Jack/Male Connector)
Temperature Sensors	Yes
Open Source SDK	Yes (Fully Documented API)
Software Languages ²	C++, C#, LabVIEW, MATLAB and more
Power Consumption ²	<15W (16ch) <23W (32ch)

²5MHz probe, parallel mode, PRF = 2KHz, not including the power supply board.

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
TimeStamps	Yes (Position and Line Speed)
Pin Assignments	Programmable
Number I/O	6 Inputs, 6 Outputs

