



REVOLUTIONARY SCALE

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



MOBILE VERSION

Discovery

SYSTEM

Configuration	1024/1024AWG
Dimensions (Standard)	516 × 511 × 267,5 mm 20.3 × 20.1 × 10.5 in.
Dimensions (Mobile)	610 × 607 × 600 mm 24 × 23.9 × 23.6 in.
Weights (Standard)	25Kg / 55 lb
Weights (Mobile)	75kg / 165 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 Resolution	14 bits per channel
Receiver Analog Gain	56 dB
Receiver Bandwidth	0.36 to 20 MHz (50 kHz optional)
Receiver Focusing Delay	0 to 40 µs
Channel Data Type	8-bit integer, 16-bit integer
Ascan Sampling	50 MHz
Decimation	50, 25, 12.5, 6.25,... MHz
Channel Data	IQ, RF data

TRANSMITTER

Voltage Range	From 2 to 200 Vpp
Waveform Type	Arbitrary Waveform Generator (AWG)
Channel Configuration	Each channel can be set independently
Extended Transmit	Up to 1ms
Signal Bandwidth	100kHz to 15MHz
Dynamic	> 40dB at 5MHz
Power	30W per batch of 64 channels
Output impedance	< 7 Ohms
Maximum PRF	20 kHz

COMMUNICATION

Communication Link	2x 100Gbps QSFP28
Data Flow	16 GB/s (1 GB/s per batch of 64 channels)
Protocol	TCP/IP
Data host	Requires a Linux server

SOFTWARE

Acquisition SDK	Open Source C++ SDK
Programming APIs	C++, Python, MATLAB, etc...
Operating Systems	Windows, Linux
Real-time example code	B-Mode, Doppler, Elastography, etc...



DESKTOP VERSION

Photos and specifications not contractual.