

## **Technical Specifications for Portable ultrasound scanner with RF data access and open system APIs for custom development**

**Quantity: 3**

**Description:** The open portable ultrasound Scanner is a portable, general-purpose, software-controlled, diagnostic ultrasound system used to acquire and display high-resolution, real-time ultrasound data through a commercial off-the-shelf (COTS) Apple iOS or Android™ device. The wireless scanners that are Bluetooth and Wi-Fi-based scanners, and that can communicate with a traditional tablet/smartphone via direct Wi-Fi to allow users to export ultrasound images and display in different modes of operation. The scanner to house a battery and internal power supplies, multichannel beamformer, pre-scan converter and Wi-Fi components. The battery is removable and comes with a separate charger.

Given the extensive research, animal experiments, and multi-centric clinical validation studies planned in the proposal, it is required to procure at least 3 no.s of such a device.

### **Technical Specifications:**

The device specifications should be as follows:

- High-quality B Mode imaging
- Colour Doppler
- M Mode
- Needle enhanced B-Mode
- Should be able to get raw data
- Should be highly portable
- Should have an option to connect with Apple iOS or Android™ devices.
- Should have Cloud storage
- Warranty : As quoted by vendor

Item	Length (in/mm)	Width (in/mm)	Thickness (in/mm)	Weight (oz/g)
Portable ultrasound scanner with RF data access and open system APIs	6.5/165	3.1/78	1.5/38	10.7/304