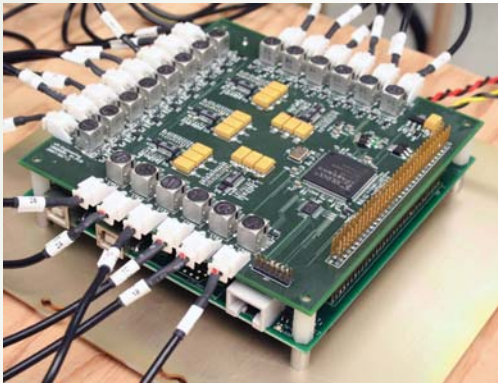


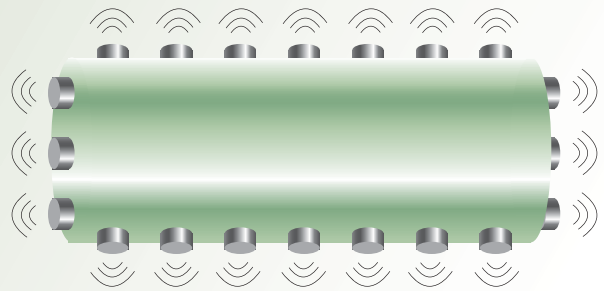
# ULS-100: Ultrasonic Proximity Sensor System

## Features

The Ultrasonic Proximity Sensor System by VPI Embedded provides obstacle detection and determines how far obstacles are from sensors.



## System Diagram



This illustration shows the maximum of 20 ultrasonic sensors on an object sensing for proximity of external obstacles.

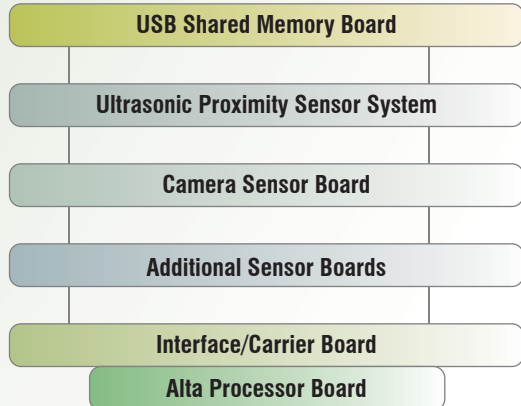
## Applications

The Ultrasonic Proximity Sensor System has applications in many areas including:

- Military
- Aerospace
- Unmanned and manned vehicles
- Industrial automation

## VPI Embedded Processor Stack

The Ultrasonic Proximity Sensor System allows for the sensing of obstacles and is part of the VPI Embedded Processor Stack.



## Specifications

Min. Distance	10 inches
Max. Distance	10 feet
Accuracy	1.6 inches
Max. Sensors	20 ultrasonic sensors
Operating Range	40 kHz frequency range
Stack	VPI Proprietary

## Contact Information

**VPI Embedded**  
 11814 S. Election Road, Suite 200  
 Draper, UT 84020  
 801-495-2310  
[www.vpiembedded.com](http://www.vpiembedded.com)  
[info@vpiembedded.com](mailto:info@vpiembedded.com)