

### **About us**

### Our micro solutions. Your mega innovations.

WeMEMS was founded in 2018 based on 30-year research experiences, and is currently producing micro scanners for LiDAR, AR display, optical imaging and more.

Our global competitiveness in design/production capability makes it possible to provide customized scanners within 3 to 6 months, and the patented technologies will support sustainable evolution of customer products.



### **Our Mission, Vision and Values**



Mission

To provide quality laser beam scanners (LBS) for LiDAR, AR display and biomedical imaging

#### Vision

To enable our customer to find innovative solutions for three-dim detection and display



To inspire and support sustainable healthy global ecosystem for safe and comfortable society



### **01. Evaluation Kit**



MEMS Scanner
Scanner Driver
Laser Module
Software
Optional Add-ons

→One-axis MEMS mirror

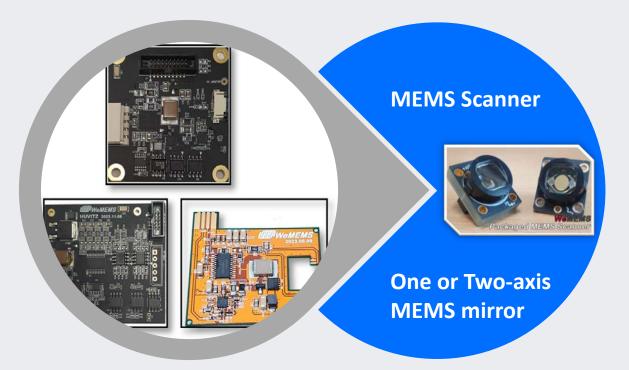
→Two-axis MEMS mirror

Resonant Scanner Driver MCU Board (DA1-SS18-V1.2)

Quasi-static Scanner Driver MCU Board (DM2-AR18-V1.1)

## **02.** Analog Driver with Scanner (1/2)

Driving Signal (ex. 5 V)

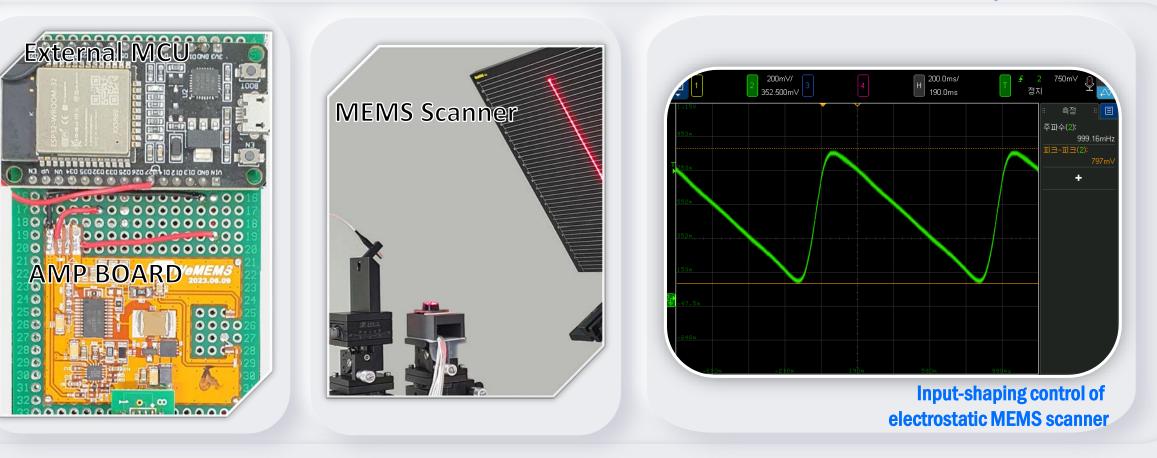


#### **AMP BOARD**

- Resonant Scanner
- Quasi-static Scanner

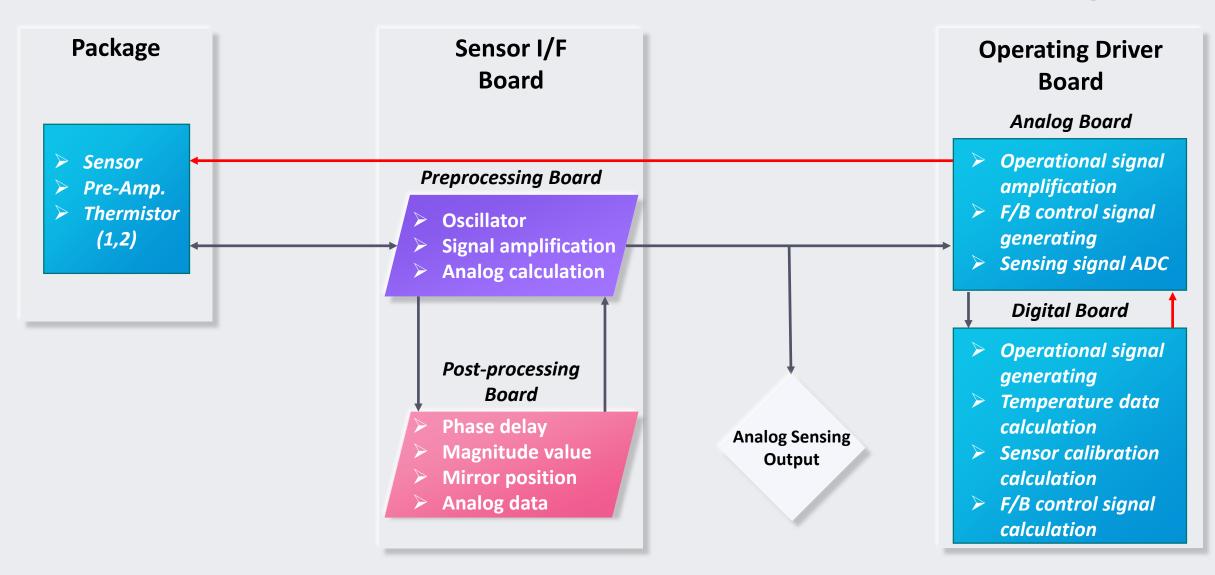
## **02.** Analog Driver with Scanner (2/2)

**Example Screen** 



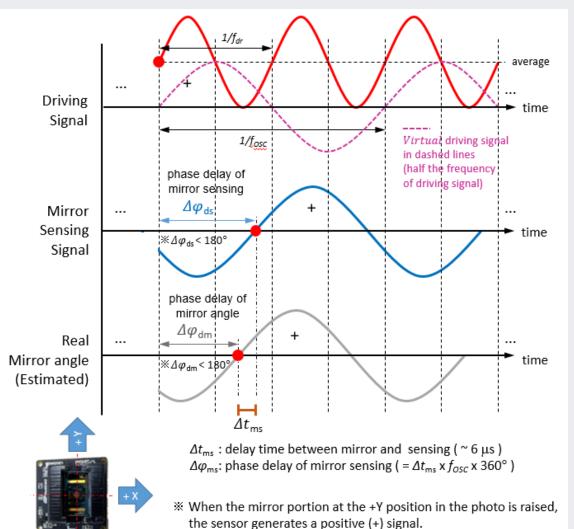
# **03. Sensor embedded Scanner (1/2)**

**Block diagram** 



### **03. Sensor embedded Scanner (2/2)**

#### **Definition of Phase**



#### **Resonant Scanner Sensing output**

