What’s a Mesobot?
This autonomous vehicle, roughly 4-feet tall, can track animals in the ocean twilight zone without disturbing their environment and behavior.

1. **DIMMABLE LED LIGHTS** can switch from white to red, a color that many deep-sea species can’t see.

2. **STEREO CAMERA SYSTEM**

3. **4K CAMERA SYSTEM**

4. **SAMPLING SYSTEM** to filter seawater for chemicals and eDNA

5. **SENSORS** to measure salinity, temperature, dissolved oxygen, and other seawater characteristics

6. **SIX LOW-POWER THRUSTERS** to enhance hovering and maneuverability

7. **RADIOMETER** to measure ambient light