



# New 3D Printed Electromagnetic Lens Available from OmniPreSense

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*Low cost method of shaping radar beamwidth and enhancing antenna gain*

SAN JOSE, CA, USA, September 28, 2018 /EINPresswire.com/ -- [OmniPreSense](#) Corporation, an innovative supplier of Short-Range Radar (SRR) sensors, today announces a 3D printed enclosure for its radar sensors which is designed with a novel electromagnetic (EM) lens. The EM lens focuses the radar beamwidth to a tighter 26 x 26 degrees (azimuth/elevation) from the standard 78 x 78 degrees. In addition to the more focused beamwidth, the antenna gain is increased 3-5dB. This allows detection of objects at farther distances while ignoring clutter to the sides of the desired field of view.

Combining the EM lens with the [OPS241](#) or [OPS242](#) radar sensors creates a complete solution for applications such as motion detection, traffic monitoring (cars and people), and autonomous vehicles (robots, drones). A simple application programming interface (API) provides direct control of the OPS241 and OPS242, allowing control over the reported data format (m/s, mph, etc.), transmit power, and other useful settings.

"We've been working on our EM lensing technology for quite a while now and proud to finally make it available," stated Rob Frizzell, CEO and co-founder of OmniPreSense. "Our unique 3D printed design provides a flexible, low cost method of supporting different customer applications without the cost and time of spinning expensive board designs."

## Pricing and Availability

The new EM lens enclosure is available for both the OPS241-A and OPS242-A radar sensors. A single enclosure is priced at \$45. The EM lens enclosures (part numbers OPS241-A-CW-L26 and OPS242-A-CW-L26) are available now and can be ordered from the company website at [www.omnipresense.com](http://www.omnipresense.com).

Based in San Jose, CA, OmniPreSense provides short range radar for sensing a safer world. OmniPreSense is a Techstars funded company, having recently completed the Techstars Autonomous Technology Accelerator.

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