



 2-30-1, Namiki, Kawaguchi City, Saitama, 332-0034 Japan

 +81-48-250-1311

 op-sales@enplas.com

 <https://en.enplas.com/>



Company Introduction

Enplas has contributed to building a more prosperous society with the high-precision molding technology it has developed since its foundation in 1962. Enplas has introduced to the market a variety of high precision lenses in the visible light, infrared, and ultraviolet regions.

Now Enplas is introducing the Enplas Lens Antenna by applying the high-precision processing technology it has developed in the short wavelength fields to the radio wave region.

Products Details

Enplas lens antenna is a lens for mm waves and THz waves

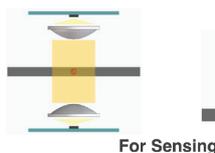
Compact : 1/2 the height of existing lenses

Low Noise : Prevent reflected waves

High Gain : Extend communication distance
/ Improve sensor sensitivity



For Wireless Communication



For Sensing

Application of Enplas Lens Antenna :

Next-Gen Communication / Mobility
/ Security / Industrial / Inspection / Medical

Mobility

- Autonomous Driving
- Platooning
- Track Monitoring

Next-Gen Communication

- Point-to-Point Communication
- Mobile Communications

Medical

- Sleep State Detection
- Cancer Examination

Security

- Body Scanner
- Intruder Detection

Industrial

- Liquid Level Measurement
- Machine Control

Inspection

- Foreign Body Inspection
- Component Analysis
- Dimensional Measurement

Application image created by Copilot

Use case of Enplas Lens Antenna :

- 60GHz [STMicroelectronics] Range extension test for ST60 short-range communication module
- 240GHz [IHP] Line-of-Sight MIMO Link Demo at EuMW 2025
- [Rohde & Schwarz] 16QAM communication test
- 300GHz [ROHM] Range extension test for RTD Terahertz module
- [NICT] 4K Uncompressed Video Transmission System Demo at World Expo 2025