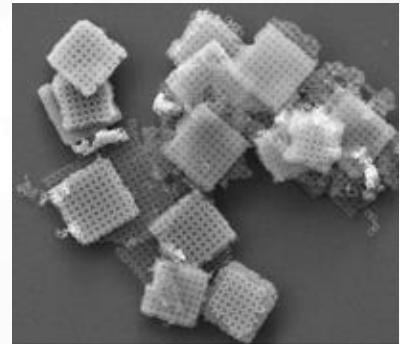
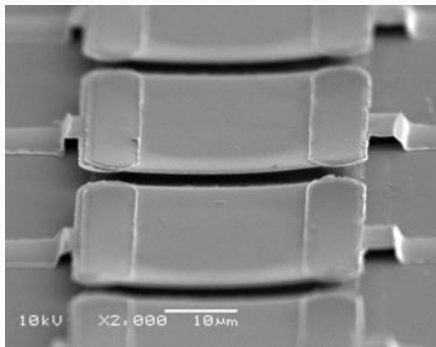
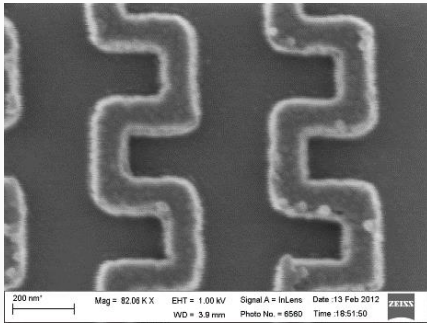




**PLASMONICS** INC

Infrared Nanotechnology



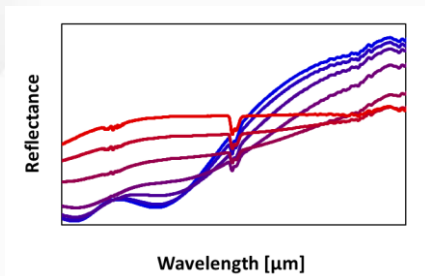
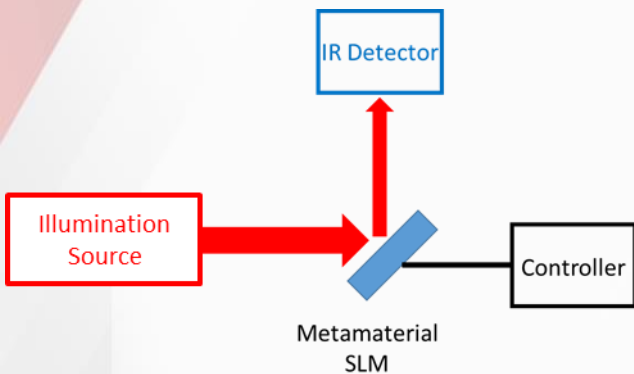
# Advanced Infrared Systems

12605 Challenger Pkwy, Suite #150, Orlando, FL 32826  
(407) 574-3107 | [www.plasmonics-inc.com](http://www.plasmonics-inc.com)

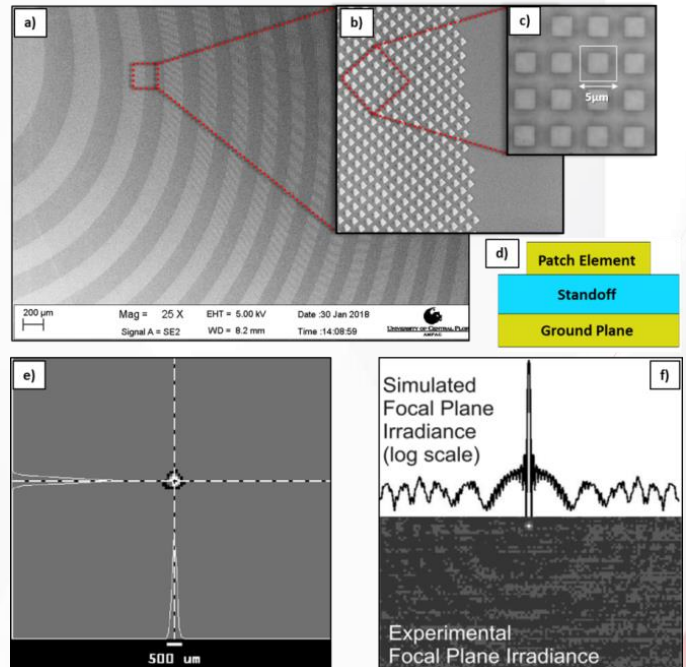
# Metasurfaces

Plasmonics Inc has extensive experience in the development of infrared metasurfaces:

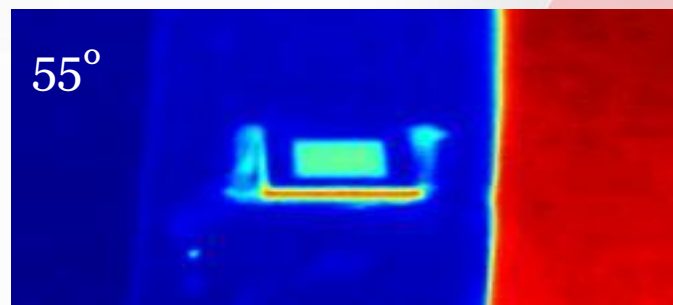
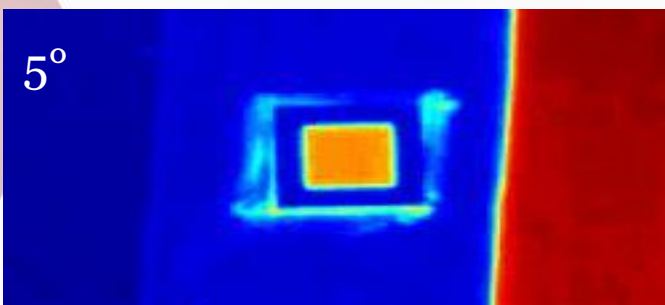
- Directional Thermal Emission Surfaces for Cooling
- Metaoptics
- Broadband Metamaterial Filters and Polarizers
- Dynamic Metasurfaces for Spatial Light Modulators and Beamsteerers



Dynamic Metasurface



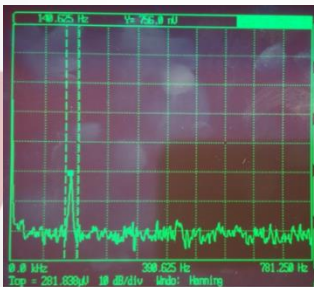
Metaoptic



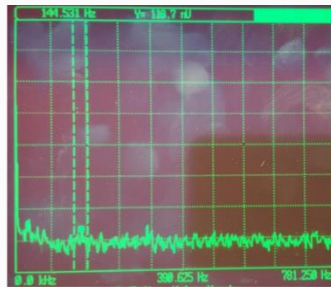
Directional Emission

# Thermal Imaging

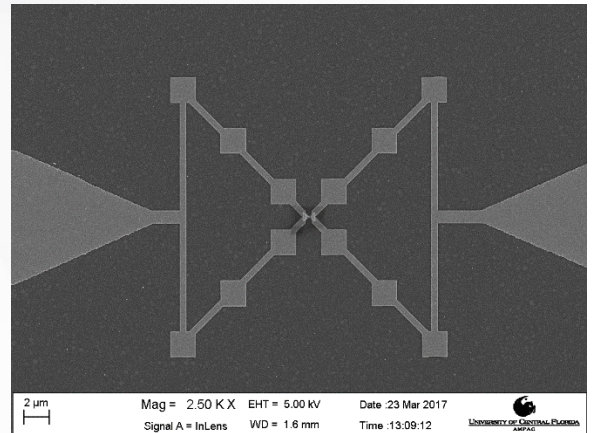
We develop custom-footprint, uncooled, photon detectors for high-speed thermal imaging applications.



@ 735°C

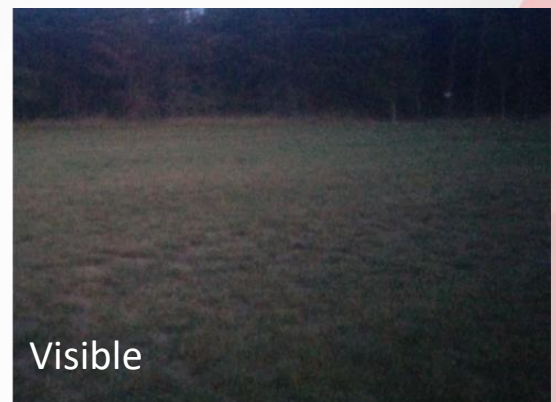


@ 22°C



IR Target Classifier for High Clutter Environments

Our team customizes existing infrared platforms and systems for use in challenging and unique operations.



# About Plasmonics Inc

Founded in 2010, Plasmonics Inc's primary focus as a company is the extension of radio frequency concepts into the infrared and optical bands. Our advantage is our expertise in each phase of device development: simulation, design, fabrication, and testing.

## Core Competencies

- Electron-beam Lithography
- Thin-Film Deposition
- Spectroscopy and Inspection
- Numerical Electromagnetic Simulation
- Optical Bench Testing
- Metaoptic Design
- Thermal Emission Coatings
- Infrared Spatial Light Modulators
- Infrared Photon Detectors

## Contact



Dr. James Ginn  
President/CEO  
(407) 574-3107  
[james.ginn@plasmonics-inc.com](mailto:james.ginn@plasmonics-inc.com)