



# POLYGON SCANNING MIRRORS

II-VI produces many types of Polygon Scanning Mirrors including Prismatic, Pyramidal, and Irregular Polygons. Polygon Mirrors are diamond machined on our state of the art equipment to a variety of sizes ranging up to 300mm and facet angle tolerances within 2 arc seconds.

## Applications

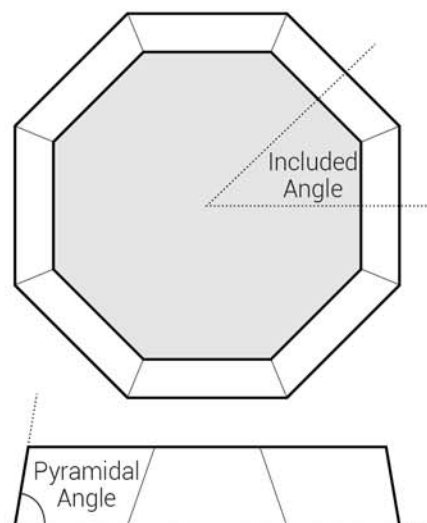
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- Bar code reading
- Paint stripping
- 3D printing
- Transponders
- ADAS/Lidar

Protective metal coatings available for IR, NIR, and visible applications.



# POLYGON SCANNING MIRRORS



Materials	Roughness	Finish
Silicon	60 A	60/40
Germanium	30 A	20/10
ZnSe	30 A	20/10
ZnS	30 A	40/20
Aluminum	50 A	40/20
Copper	30 A	20/10
Nickel-plating	30 A	40/20
Plastics	50 A	40/20

Specification	Capability*
Included Angle	± 3 Arc Seconds
90 Degree Pyramidal Angle	≤ 2 Arc Seconds
Other Pyramidal Angle	≤ 5 Arc Seconds
Facet Radius Tolerance	± 0.03mm

\*Indicates tolerances within II-VI capabilities

## Worldwide Sales Offices

To place an order, contact a II-VI sales representative at any of the following locations, or visit [www.iiviiinfrared.com/contact](http://www.iiviiinfrared.com/contact) for our most complete and up-to-date contact information.

### II-VI INFRARED

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SAXONBURG, PA 16056  
USA  
888.558.1504 (Toll free in USA)  
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F. 724.352.4980  
[info@iiviiinfrared.com](mailto:info@iiviiinfrared.com)

### II-VI WEST

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MURRIETA, CA 92563  
USA  
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### II-VI BENELUX N.V.

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BELGIUM  
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### II-VI DEUTSCHLAND GmbH

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### II-VI JAPAN

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MIHAMA-KU, CHIBA-SHI  
CHIBA 261-7126  
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### II-VI SINGAPORE PTE. LTD.

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F. 65.6481.8702  
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