II-VI Aerospace & Defense Capabilities

Supporting IARPA SINATRA

August 10th, 2022
Jon Nisper
Jon.nisper@iiviad.com
II-VI A&D Space Optical Assemblies

Support customer requirements providing solutions at all levels of integration
- Telescopes to Camera Integration and Alignment
- Design and Manufacture to meet Performance Requirements
- Optimize and Productionize Customer Designs
- Build-to-Print

Vertically Integrated
- Engineered Materials through Integrated Assemblies

Reflective and Refractive Design and Manufacturing Capabilities
- Optical; Mechanical; Thermal Engineering Design
- All Materials: Al; Be; SiC; Zerodur; Si

Space Flight Proven Capabilities/Designs
Lines of Business:

**Space**

- Imaging
- SSA
- Communication
- Lasercomm
II-VI A&D Large Optics Capabilities

- Large Optics Fabrication and Coating
- Supporting Space Based Telescopes
- Supporting Ground Based Telescopes

- TMT
  - 1.5m polishing and hex cutting

- JWST
  - Bare Beryllium aspheric polishing

- Coating
  - Protected metallic coatings for sizes up to ~2m