Conventional Telescope vs. SPIDER

**HOW IT WORKS**

- **Light**
- **Lens**
- **Photonic Integrated Circuit (PIC)**
- **Image**

Conventional telescopes take years and a lot of labor (polishing glass, precision alignment, etc.)

SPIDER's PICs could be printed with lasers in just a few weeks.

**MIRROR PRODUCTION TIMELINE**

- **WEEKS** vs **YEARS**

**EFFICIENCIES**

- **Up to 99% savings**
- **Low Size + Weight**
- **Energy-Efficient**
- **Scalable + Reconfigurable**

**HOSTED PAYLOAD**

- Low-cost access to space with smaller launchers and payloads

**MULTIPLE POTENTIAL APPLICATIONS**

- Safety Sensors
- Reconnaissance and Targeting Instruments
- Automobile
- Aircraft
- Helo
- Maritime

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