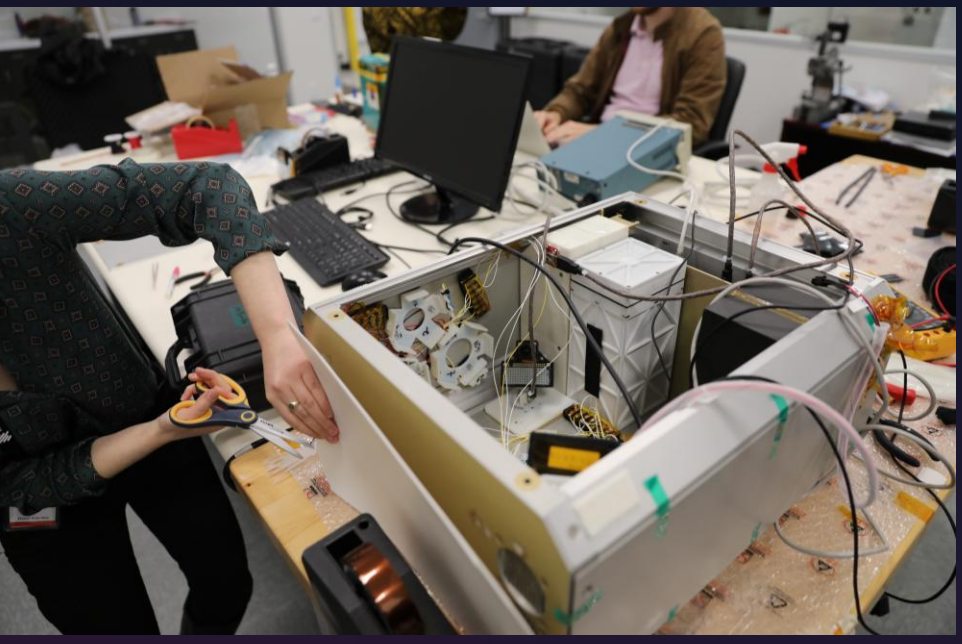
BLACKBOX

VOYAGER



KEY FEATURES

- **0.034 m^3** payload volume
- Power up **to 500W total** from all ports:
  - 12 switchable USB 3.0 Ports @ 2A max
  - 12 switchable 5VDC @ 5A
  - 12 switchable 12VDC @ 3A
- Cooling air interface
- Up to 20GB/Week, 6GB nominal, data download
- Real-time ground interface operations
- camera system available upon request
- High precision thermal environment
- 30 days of **on-orbit operations support**
- **Return** to Earth granted

PLATFROM OVERVIEW

The Voyager Space Explorations **Black Box** is a modular and flexible platform designed for payload integration and research on the ISS. This versatile platform provides secure mechanical, electrical, and data interfaces for a wide range of experiments, making it ideal for researchers and developers seeking **real-time access to their experiments in** a **microgravity** environment. Housed in an EXPRESS Rack within the ISS, the Black Box offers seamless integration with ISS systems and allows for **flexible payload configurations**. The Black Box enables the installation of up to 12 individual payloads, each of which can be independently powered and controlled.

APPLICATIONS

- ✓ Research in microgravity
- ✓ Technology demonstration & proof-of-concept
- ✓ Materials and computing
- ✓ Physical and life sciences
- ✓ Pharmaceutical, food, and biotechnology research
- ✓ Protein crystal growth
- ✓ Plant grow chambers
- ✓ Educational programs

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