



## **Mission Profile: Dark** Extensible Spine and Crew Drum Main galley, tactical commons. Inflatable Habitats Upon extension, integrated crew pouches, recreation and Shuttle Lock exercise facilities, research Forward series of docking hatches **Antimatter-Catalyzed** Intrasystem shuttle (3-seat **Observation Dome** provide anchorage for inflatable modules (variable-gravity Micro-Fission/Fusion capacity), low gravity lander **Communications** Astronavigation and habs, laboratory facilities, and environment, 0.5G standard. Reactor (4-seat capacity) sensory arrays Antennae storage access significant coriolis effects) Biomedical Drum **Zubrin Ramscoop field** Nanofabrication Drum Service Module **Fusion Thrusters** generator 3D nanoassembly and materiel

production facility, matter

vacuum extrusion ports

reserves, dual atmospheric/

Dakini has a modular configuration which can be altered according to mission requirements. The module configuration shown is for Shackleton

Resting Mass: 1642 tonnes.

Maximum Width: 17.2 metres (Nanofabrication drum) **Propulsion:** Antimatter-catalyzed nuclear pulse drive.

Artificial Mind: Nentou III distributed AI, 1018-synapse equivalent

Indefinite ecosystem integrity: 5 crew. **Cryogenic tanks:** 10 + 3 emergency.

## & Hibernacula

Infirmary, bio labs, head, 10 berth hibernacula

Primary life support, hydroponic beds, air scrubbers, recycing, quantum Al logic centre

## **Control Module**

Manual bridge, secondary life support, radiation shelter, emergency cryogenic tanks (3)

to Gateway launch of 2165.

22TV Bussard cryomagnetic

field for H+ filterfeeding and

long-distance braking

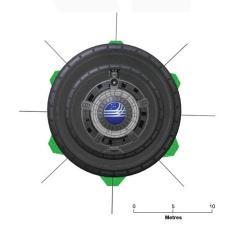
Length: 122.3m (unextended spine).

Maximum rated burn: 3.2G sustained, 7.9G maneuvering

(Dakini).

Weyland antimatter-catalyzed nuclear pulse thrusters

Maximum Crew Complement: 10.



## **RSV Dakini**

Deep-space research/transport vehicle

