PRODUCT DATA SHEET

Mission Specialist Ally Base Package

PN: 74771

The Ally Base Package is a key offering in the Mission Specialist product line, providing an upgrade path to the Defender. This comprehensive package includes the Ally Submersible, the Workhorse Control Console as the central user interface, and a 100m PPT Tether. It features cutting-edge underwater robotics technology, making it an excellent choice for those seeking to enhance their subsea capabilities.

MISSION SPECIALIST ALLY

Depth Rating: 300 m (984 ft)
Weight in Air: 13.6 kg (30 lb)
Propulsion: 2 Horizontal Thrusters: 16.8 kg (37 lbs,)
4 Knots (Forward Thrust)
2 Vectored Thrusters: 9.5 kg (21 lbs,) 0.8 m/s
Lateral Thrust: 6.1 kg (13.5 lbs), 1 Knot
Camera: Ultra 4k Smart Camera

- NVIDIA Jetson Orin NX
- 12MP Resolution (4.7K)
- Digital Pan, Tilt, and Zoom

Workhorse Control Console

Size & Weight: 53 x 43 x 22 cm (21 x 17 x 8.5 in)
15.2 kg (33.6 lbs)
Features: Industrial Hand Controller
IP68 Water proof keyboard
HD High Bright Touch Screen Monitor
Line Isolation Monitor
Power Input: Universal Input 85-264, VAC 47-440 Hz
2.4 kW Max Power (chassis)
Power Output: 2.3 kW Max at 400V (90%) efficiency

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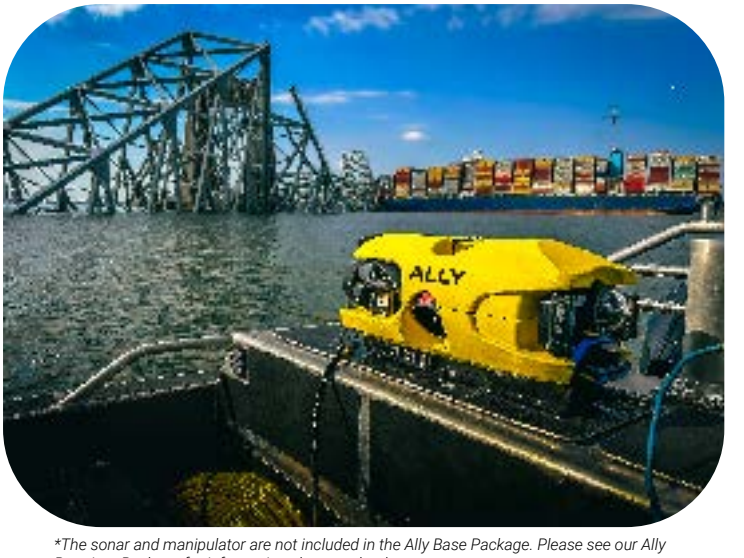
100 m Performance / PPT - Copper Tether

Diameter:	9 - 10 mm (0.35 - 0.39 in)
Buoyancy:	Neutral
Breaking Strength:	635 kg (1,400 lb)
Recommended Maximum Length:	400 m (1,312 ft)
Bandwidth:	60 Mbps (Up to 300 m)
Features:	Includes a tether backpack for storage and easy transport.



**The sonar and manipulator are not included in the Ally Base Package. Please see our Ally Premium Package for information about payloads.*

The Mission Specialist Ally was deployed for search and recovery operations during the tragic Francis Scott Key Bridge incident, demonstrating its advanced capabilities and reliability in critical situations.

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