



Discoverer 1

| Control Features | Description |
|---|---|
| Operational Modes | Semi-automatic, Manual |
| Smart navigation features | Autodepth and Autoheading |
| Mechanical Characteristics | |
| Depth rating | 100 m |
| Dimensions (L×W×H) | 58×42×28 cm |
| Weight (in air) | 15 kg |
| Payload | 3 kg |
| Power & Electrical Characteristics | |
| Power requirements | 220 VAC, 50~60 Hz, 400 W, 3 A |
| Thrusters | Two horizontal and one vertical DC brushless thrusters. |
| Sensors | |
| Depth sensor | Yes |
| Leakage sensor | Yes |
| Heading, Pitch and Roll | Yes |
| Internal Temperature Sensor | Yes |
| Outer Temperature Sensor | No |
| Camera | |
| Resolution | 640×480 Pixel |
| Storage capability | Yes |
| Delay | ~ 0.5 sec |
| Surface Control Equipment | |
| One Laptop with: | |
| USB Port | Joystick connection |
| Network Port | For network cable connection |
| Operating System | Windows XP and above |
| Options | |
| Camera SD/HD .Night View Camera .Laser Scaling .Winch .Manipulator . Thrusters Additional . Depth Rating .LARS .Navigation System Doppler .USBL , LBL. Sonar Multi-Beam Imaging . Sonar Scanning .Sediment .Detector | |