

DELTA Extreme

Designed to excel in challenging environments, the Delta Extreme is exceptionally portable – the entire system can fit into a backpack and be deployed and operated by a single person.

Although small in size, the vehicle is capable of navigating through tight spaces, over objects and around obstacles due to its shape changing capabilities.

Common applications for the Delta Extreme include pipe infrastructure inspection, tank and tunnel surveillance, underwater inspection, and Search and Rescue (SAR).



APPLICATIONS

- Search and Rescue
- Pipe and culvert inspection
- Infrastructure inspection
- Military / security surveillance
- Confined space exploration
- Navigation of rough terrain

BENEFITS

- Portable and lightweight
- Intuitive control
- Bi-directional audio
- Small size for confined spaces
- Waterproof to 33' / 10m
- Durable and rugged



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ADAPTABLE ROBOTIC SOLUTIONS

SPECIFICATIONS

Vehicle

Speed Up to 90' / 27m per minute

Track belts Plastic, high traction

Chassis Material Anodized aluminum

Tether Cable

30m / 100' (up to 90m / 300' optional)

Multi-conductor, abrasion resistant

Polyurethane jacket

Weight 14lbs / 6.2kg

Dimensions (lowered):

11"W x 17"L x 6"H (28 x 43 x 15cm)

Dimensions (raised):

11"W x 11"L x 13.5"H (28 x 28 x 34cm)

Camera

Type Colour ¼" EX VIEW CCD

Sensitivity < 1.5 LUX

Resolution 460 TV lines

Focus Auto and manual

Exposure Auto

Zoom 10X optical / 4X digital

Auxiliary Lighting

Type High efficiency LED

Intensity Variable intensity

Operating Environment

Temp 0° to 50°C (32° to 122°F)

Depth Rating 100' / 30m

(with bidirectional audio, 33' / 10m)

Control System

Power

110-240 Vac and 48 Vdc

2hr Battery Pack

Interface

Proportional joystick, membrane panel

Control

Variable joystick

USB compatible control

Options

Backpack

Bidirectional audio (two-way, full duplex)

Digital video recorder (DVR)

Helios® video enhancement system

Vehicle raise-position feedback

Camera tilt feedback

Inclinometer

Laser lines

The Delta Extreme is an intuitive, remotely operated robotic system designed for inspection and reconnaissance missions inside of confined spaces and hazardous environments.

Typical applications include search and rescue, duct inspection, culvert inspection and remote monitoring in nuclear power plants. Specially designed track belts provide optimal traction performance in a wide variety of environments, including sandy and muddy conditions. And, with the optional LCD monitor, recorder and battery pack, you can take the Delta Extreme robot anywhere you need to go.



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WHERE TO BUY



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