# AVENGER FIRE

The Avenger is a Fire Fighting Robot designed to support fire fighting operations where the risk to human life is perceived to great for fire fighter intervention.

The Avenger<sup>FIRE</sup> is an advanced robotic design and is straightforward to operate using a lightweight laptop-based console.





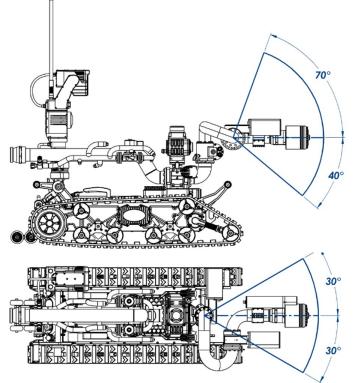
For complete Product Specifications, please contact your authorized ICP NewTech representative.

# Avenger FIRE

### **Highlights**

- Variable ground speed up to 8km/h
- Deploys FORCE 50 Robotic Nozzle
- Powerful Pan, Tilt & Zoom Camera
- Thermal Imaging identifying "hot spots"
- Thermal sensors within FFR
- Self-Protection Water Cooling
- Optional integrated Sensor Payloads
  - Gas and Air
  - Nuclide





## **Specification**

#### **PLATFORM**

Dimensions (LxWxH): 1400mm x 450mm x 840mm

Weight: 122kg (Chassis & Nozzle)

Speed: 8km/h

**Environmental protection:** IP66

Vertical obstacle: 300mm

Stair climb: 40°

Cameras: 3 built-in cameras

Illumination: Spotlights, LEDs, IR LEDs and

Thermal

Communication: Point to Multi Point MIMO

Operating range: 500m LOS & 200m NLOS

**Power Supply:** Set of three SLA batteries

36V

Working time: 4 hours (mission dependent)

#### FORCE 50 ROBOTIC NOZZLE

**Degrees of Freedom:** 110° vertical range of

motion.

60° horizontal range of

motion.

Material: 316 Stainless Steel

Inlet: 2" ANSI Flange

Maximum Flow: 2000 LPM

Maximum Throw: Up to 65m

Normal Operating Pressure: 10 bar

Max Working Pressure: 12 bar

Note.: Every effort has been made to ensure the accuracy of this document, however this information is based on design and prototype activities and may change without notice.

