

IGNIS

Autonomous Firefighting Robot



The smallest autonomous firefighting robot in the series .

The IGNIS is the smallest autonomous firefighting robot in the Salamandra TWI series, developed for offensive firefighting by fire service teams. After two years of market validation, the system is recognised as one of the lightest platforms in its category, rated IP65 for dust and splash protection.

The IGNIS can be carried by two people, fits directly into the equipment compartments of standard fire trucks without modifications, and is immediately deployable from any vehicle.

KEY FEATURES

0 1

Extremely Lightweight

57 kg, the smallest autonomous firefighting robot in the Salamandra TWI series. Transport and deployment by two people.

0 2

Compact Dimensions

600 x 550 x 370 mm. Fits directly into the equipment compartments of standard fire trucks. Immediately deployable, no vehicle modifications required.

0 3

Powerful Operational Capacity

Drags hoses 20–30 m, flow rate 1,800 l/min, travels up to 10 km, rotates continuously for 16 hours.

TECHNICAL SPECIFICATIONS

Weight	57 kg
Dimensions (L x W x H)	600 mm x 550 mm x 370 mm
Water cannon flow rate	1,800 litres per minute
Autonomous driving range	10 km
Rotation operation	16 hours continuous
Hose drag capacity	20 to 30 metres
Battery	External, hot-swappable during operation
Control	Remote control
Water resistance	IP65, fully dustproof and splash-proof
Lighting	Integrated
Infrared detection	Integrated
Video feedback	Integrated

A P P L I C A T I O N S

<p>Offensive Firefighting</p> <p>Direct deployment at active fires by fire service teams, including environments inaccessible to personnel.</p>	<p>Water Cannon Positioning</p> <p>Establishing, relocating, and withdrawing forward positions by remote control.</p>	<p>Reconnaissance</p> <p>Infrared and video feedback for situational assessment from a safe distance.</p>
<p>Extreme Heat Exposure</p> <p>Deployment at locations inaccessible due to extreme heat, explosion, or toxic hazards.</p>		

I N T E L L E C T U A L P R O P E R T Y

- The IGNIS platform is the exclusive property of Salamandra TWI B.V.
- Chassis manufactured from high-grade aluminium alloy to proprietary specification
- Expansion interfaces for future software and hardware upgrades, developed and managed by Salamandra TWI

Request information or demonstration

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