

Introducing the UL Certified ExR-2.5

Rugged, Reliable Robots for
Extreme Environments



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EX ROBOTICS



Safer Inspections. Better Data. Less Downtime.

Traditional inspections put personnel at risk, miss early-stage failures, and cannot keep up with ageing assets under pressure.

The UL certified ExR-2.5 performs repeatable inspection rounds while:

- Capturing consistent, high-quality data that improves decision-making and eliminates variability from manual rounds.
- Detecting leaks, anomalies, and equipment degradation sooner reducing unplanned downtime.
- Enabling predictive maintenance with structured data from hard-to-access hazardous areas.
- Reducing dependency on scarce, high-risk inspection labor while maintaining or increasing inspection frequency.



Modular Design for Multiple Roles

- Gas detection sensors.
- Thermal imaging.
- High-sensitivity vibration imaging for motion and vibration analysis.
- Acoustic imaging for leak detection and mechanical fault diagnosis.
- Ultrasonic wall-thickness measurement for corrosion and integrity checks.

Environment:

- Suitable for tropical, arctic and desert climates.
- Operates in high winds.
- Resists corrosion by salt water, hydrocarbons, hydrogen sulphide and acidic liquids.
- **UL, IECEx & ATEX Zone 1** certified for potential explosive environments.

Complemented by a full range of services: Training, Deployment, and Mission Monitoring

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