

 **QUAKELOGIC**

QL-ER3-M Mini Tactical

EOD RESPONSE ROBOT SYSTEM



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- The QL-ER3-M Mini Tactical / EOD Response Robot System is mainly used for explosives-related tasks and can also be used to detect terrain that is difficult for humans to reach. The 6-degree-of-freedom EOD manipulator can rotate at different angles and can grab heavy objects up to 55 kg.
- The chassis adopts a crawler + double swing arm structure, allowing the system to adapt to various terrains and deploy quickly in field operations. At the same time, the robot is equipped with wired control and can operate remotely through wired connection under network interference.
- The QL-ER3-M can be used with accessories such as explosive disruptors / destroyers, including 38 mm / 42 mm options, and remote detonation control systems for explosives. When the manipulator is equipped with an explosive destroyer, it allows explosives to be destroyed on site.

✓ Key Features:

1- Robot Arm Preset Position and Reset Function

- 3 preset shortcut functions and 1 one-key reset function.

2- Manipulator Arm with Multiple Degrees of Freedom

- The robotic arm has 6 degrees of freedom.

3- Excellent Climbing, Obstacle Crossing, and Trench Crossing Performance

- Can climb 35° slopes.
- Can climb 32 cm vertical obstacles.
- Can span 50 cm wide trenches.

4- High Manipulator Load Capacity

- The robotic arm can grab heavy objects up to 55 kg.

5- Multi-View Video System

✓ Technical Specifications:

Robot arm-Manipulator:

Wrist Rotation:
270°

Middle Arm: 0-
150°

Big Arm:
0-155°

Chassis:
±90°

Crawler: 360°
(continuous)

Open range:
0-281mm

Rated grab weight: 25KG
Max grab weight: 55kg

✓ Technical Specifications:

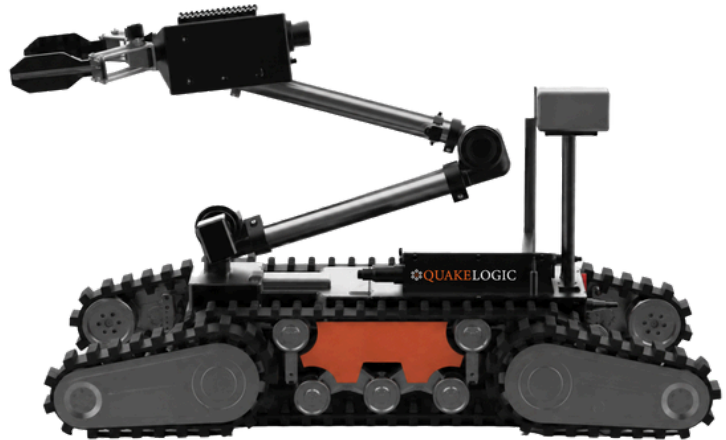
Driving System:	
<ul style="list-style-type: none"> Radius Of Turning Circle: Autochthonous Rotation 	<ul style="list-style-type: none"> Speed: 0-1.9m/s, CVT
<ul style="list-style-type: none"> Straight Deviation Amount: $\leq 5\%$ 	<ul style="list-style-type: none"> Braking Distance: $\leq 0.3m$
<ul style="list-style-type: none"> Height Of Obstacle Crossing: 320mm 	<ul style="list-style-type: none"> Climbing ability: $\geq 35^\circ$
<ul style="list-style-type: none"> Straight Deviation Amount: $\leq 5\%$ 	<ul style="list-style-type: none"> Braking Distance: $\leq 0.3m$
Image System:	
<ul style="list-style-type: none"> Cameras: Robot Body*2 & Manipulator *3; PTZ 	<ul style="list-style-type: none"> Pixel:960P; PTZ-1080P 20x optical zoom
Control System:	
<ul style="list-style-type: none"> Remote Size: 410*325*165mm (Rocker- H is Excluded) 	<ul style="list-style-type: none"> Weight: 8.6kgs
<ul style="list-style-type: none"> LCD: 12inch 	<ul style="list-style-type: none"> Operation System: Windows 7
<ul style="list-style-type: none"> Wire Control Distance: 100m (Optional) 	<ul style="list-style-type: none"> Wireless Control Distance: 500m

✓ Technical Specifications:



Physic Parameter:

- Size: 973*700*621mm (Inc PTZ)
- Weight: $\leq 91.5\text{kg}$
- Power: Electric, Ternary Lithium Battery
- Protection Level: IP67
- Continuous Mobile: 2hrs



Advanced Tactical / EOD Response Robot Solutions

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Executive Support Line

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Direct support for tactical robot systems, EOD response units, remote operation solutions, and field deployment applications.

Strategic Inquiries

sales@quakelogic.net

For EOD response robots, tactical inspection systems, explosive handling accessories, and technical support inquiries.

Our Commitment to Tactical / EOD Response Robot Solutions

Reliable Tactical Field Performance

Delivering stable, mobile, and field-ready robotic capability for EOD response, terrain inspection, explosive-related tasks, and tactical support applications.

Integrated EOD Operation Capability

Providing 6-degree manipulator control, crawler mobility, swing arm chassis, multi-view cameras, wired control, and accessory support for EOD field operations.

Dedicated Technical Support

Ensuring reliable operational support, setup guidance, maintenance assistance, system support, spare parts availability, and long-term technical service for tactical environments.

Scan to Explore Tactical / EOD Response Robot Solutions



Explore Mini Tactical Robot Capabilities and EOD Response Applications

Discover how the QL-ER3-M Mini Tactical / EOD Response Robot System supports EOD response, remote inspection, manipulator operation, and field-based tactical applications.

www.quakelogic.net