



**Product Name :**  
Intelligent EOD Bomb Disposal Robot for Police and Military

**Product Code :**  
EQUP-MC20282-0024

#### **Description :**

Intelligent EOD Bomb Disposal Robot for Police and Military

#### **Technical Specification :**

EOD Robot with Intelligent Preset Position Control consists of mobile robot body and control system. Mobile robot body is made up of box, electrical motor, driving system, mechanical arm, cradle head, monitoring system, lighting, explosives disrupter base, rechargeable battery, towing ring, etc. Mechanical arm is made up of big arm, telescopic arm, small arm and manipulator. It is installed on kidney basin and its diameter is 220mm. Double electric stay pole and double air-operated stay pole are installed on mechanical arm. Cradle head is collapsible. Air-operated stay pole, Camera and antenna are installed on cradle head. Monitoring system is made up of camera, monitor, antenna, etc.. One set of LED lights is mounted on the front of body and on the back of body. This system is powered by DC24V lead-acid rechargeable battery.

Materials: Aircraft-grade aluminum alloy, precision machining

Dimensions: L\*W\*H: 910 \* 650 \* 500 mm

Weight: 90kg (without accessories, package and control box)

Battery: DC24V lead acid rechargeable battery

Working time: ? 3 hours

Maximum Speed: ?1.2m/s

Loading Capacity: When loading 140KG, it can move normally (actual measurement).

Lift Capability: It can move with clamping weights of 40K and will not drop (actual measurement).

Grade Ability: It can climb up the slope of 45° and stop steadily on the slope.

Climbing Stairs Ability : With traction-free assist, it can climb up and down the stairs of 160mm step height and 45°angle slope.

Turning Ability In horizontal cement ground or bituminous pavement, the robot can turn clockwise or anticlockwise 360°.

Limited Passage Width: ?700mm

Over-obstacle Capacity: It can cross the obstacle of 320mm height.

Max. Mechanical Arms Spread: 1650mm

Gripper of Manipulator Maximum Expansion Range: 250mm

Arm Extension when stretch out and draw back: 500mm

Control Distance: Wireless control: ?150m (visible range); wire control: 100m (optional 200m);

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Forward Camera: Color infrared induction  
Backward Camera: Color infrared induction  
Cradle Head Various focal Camera: Color infrared induction  
Manipulator Gripper Camera: Color infrared induction  
Floodlight: Two group LED floodlight (one group on the front and back)  
Control Terminal  
Box: Portable, waterproof, dustproof, high strength  
Size: ? L 460 \* W 370 \*H 260 mm  
Weight: ? 10kg  
Display Screen: 12-inch HB LCD, wide viewing angle, outdoor clear picture  
Operation: High-quality rocker handle, human software interface design, easy observation and convenient operation  
Display Image: It can monitor 4 video signals simultaneously or separately amplify one of 4 video signals  
Battery: Rechargeable 24V lithium battery, working time ? 3 hours when fully charged.



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