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ELEKTROLAND
DEFENCE
TMR-II TOUGH

STRONG

With an uninterrupted operation time up to 2 hours and a remote control area of 250 meters, it plays a key role in the dangerous and running operations.

FAST

Up to 45° angle of climbing, jumping over obstacles up to 20 cm height and pits of a 35cm diameter, TMR-II TOUGH reaches to even the hardest targets in the fastest way.

CONTROLLING

While providing ease of handling via touchscreen and an external joystick, also enables retroactive or instantaneous review by saving video and photography at the same time.

CAPABLE

Thanks to a 180° turret, 200° elbow and 360° moving gripper, it can interfere in targets both at the ground and higher.



ACCESSORIES



Riffe



Cable Reel



Control Board



Chisel



Scissors



Probe



Harrow



Water Cannon and Accessories



Environment Camera



Glasses

ROBOT SPECIFICATION TMR-II TOUGH

Dimensions

Height : 34.9 cm arm stowed
110 cm arm extended
Length : 60 cm flippers stowed
120 cm flippers extended
Width : 70 cm with flippers

Weight

Mobile Platform : 39.2 kg with no payloads
Manipulator Arm: 12.7 kg

Speed

Slow mode: 0 to 1 km/h
Medium mode : 0 to 3 km/h
Fast Mode : 0 to 5 km/h

Mobility

Vertical Obstacles : up to 30 cm
Stair Climbing and slope : up to 45°
friction dependent
Water Traverse: up to 35 cm

Communications

Wireless Range (LOS) : up to 500m
Radio Frequency : 2.4 GHz / 4.9 GHz

Cameras and Illumination

Front/Back driving cameras: 60° viewing angle, fixed focus, Day/Night resolution 640 x 480, color HD camera
Targetting camera : 60° viewing angle, fixed focus, Day/Night resolution 640 x 480, color HD camera
PTZ Camera unit (Optional) : 60° viewing angle, auto focus, 30X zoom, 800 TVL resolution, color HD camera with 360° continuous pan and tilt function
Lighting : Front, Back and Arm Power

LED Lightings

GS-07F-99221S 800TVLSIN 426-4E
Schedule 84

Remote Control Unit

Case : Lightweight, Ruggedized, hand controller
Screen : 10.1" LCD touch screen display
Resolution : WXGA (1280 x 800)
Control: Joystick-style control
Power : Li/Ion batteries with 3hr continuous operation

Manipulator

Reach : 110 cm vertical, 90cm horizontal
Lifting Capacity : 5.4 kg fully extended, 14.8 kg close-in
Degrees of Freedom: 360° turret, 210° shoulder, Elbow: +/- 180°
Gripper : 360° continuous rotation wrist and 16 cm parallel jaw opening
Disruptor mount : Universal disruptor mount for 20-30mmOD recoilles disruptors with firing terminals
Shotgun mount (Optional) : Customized
Dedector mount (Optional) : CBRN, X-Ray and vapor dedectors integration



