

REMOTELY OPERATED VEHICLE DIGITAL VANGUARD™

Highly Versatile Robot for Hazardous Tasks

Rugged, adaptable and two-person portable, the Digital Vanguard™ is one of the most versatile multi-mission midsized ROVs on the market today.

The Digital Vanguard™ robot is robust, versatile and skilled at performing a critical range of law enforcement and military EOD/ IEDD, Tactical, HAZMAT, CBRNE or Hazardous functions effectively all in one robot platform. Its modular construction and advanced electronic design makes maintenance and support in the field simple and inexpensive. This improves the life cycle of the machine, reducing training and upkeep time and making the Vanguard a true trusted team member.

The x500 Integrated Command Portal is the most recent upgrade to the Digital Vanguard. The x500 can be programmed to display information in most native languages. Learning to drive and operate the Digital Vanguard with the x500 takes a few hours.



Digital Vanguard shown with optional ROVISS Sensors



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Features

The Vanguard™ ROV effectively meets the needs of military and police operators through its advanced engineering, including:

- Two-man portable, modular design
- Low profile to reach under vehicles
- Articulating arm to grasp objects from an airplane's overhead storage and has 6 axes of movement
- Ability to ascend and descend stairs
- Substantial lifting capacity
- Extended mission duration
- Radio range is over 1km Line of Sight
- Wide tracks and anti-flip mount for stability
- 2 independent tool circuits
- 3 fixed cameras and interchangeable infra-red camera and disruptor camera
- Ethernet Connection for additional sensor and detection devices

x500 Integrated Command Portal

The x500 controls all robot functions, arm and claw positioning, and cameras

- Graphic User Interface (GUI) can be set to most languages
- Ability to have the operator manuals display in native languages
- Easy to learn controls, requiring minimal follow-on training
- Lightweight and small footprint for easy portability
- Sunlight Readable Quadra Clear® display, 39.6cm (15.6") full HD 1080p (1920x1080) 800 NITs widescreen display
- IP65 and meets MIL-STD 810G, MIL-STD-461F and ANSI/ISA 12.12.01 standards
- Displays all data received from the optional ROVISS Integrated Sensor Suite, e.g. CBRNe sensors
- Ability to record two way audio, full HD video and capture still images



x500 Integrated
Command Portal

SUMMARY

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| Users | EOD/IEDD, VBIED, HAZMAT and Tactical Operations |
| Function | Performs Critical Hazardous Duty Operations |
| Advantage | Highly Versatile Robot for CBRN, Tactical and EOD/IEDD Tasks |
| Control | x500 Integrated Command Portal |



For complete Product Specifications, please contact your authorized MED-ENG representative.

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