

COUNTER TERRORISM

TACTICAL ADVANTAGE
THROUGH
PROTECTION AND
MOBILITY

ROBOTIC SYSTEM

MV-3



HYSTRIX

www.dok-ing.com

**DON'T
SEND A MAN
TO DO A
MACHINE'S
JOB**

INNOVATION IN
ROBOTICS

MV-3 at glance

TACTICAL ADVANTAGE THROUGH MOBILITY AND PROTECTION

The MV-3 is a multi-mission vehicle intended for support in counter-terrorism, hostage release operations and social unrest crisis missions. Counter-terrorism interventions pose significant threats to tactical teams due to limitations of personal ballistic protection. MV-3 gives the advantage of using the system with or without the tactical team, allowing flexibility and modular approach without putting tactical members in danger.

Multifunctionality

APPLICATIONS

Possible Tactical Utility without Tactical Team

- Breaching and Dynamic Entry
- Activities in EOD and CBRN Threat Areas
- Full Situational Awareness (video, audio, detection, etc.)
- Transport and Equipment Delivery

Possible Tactical Utility with Tactical Team

- Ballistic Protection of Tactical Teams
- Increased Fire Power
- CASEVAC (Casualty Evacuation) Capability
- Transport of Ballistic Shields and Other Specialist Equipment
- Obstacle Clearance and Removal of Suspicious and Dangerous Objects
- Dynamic Entry and Clearance
- Situational Awareness (detection, video, audio, etc.)



COMMAND AND CONTROL CENTRE



ROAD TRANSPORTABLE
• Standard trailer

SITUATIONAL AWARENESS

- Advanced video system - 9 cameras & 2 LCD monitors
- CBRN and Oxygen level sensors
- Lights beams & blinders
- Microphone and Megaphone

DISTRACTION OF PERPETRATORS
• Lights beams
• Sound

INCREASED FIREPOWER
• Modular and scalable gun ports

FULL FRONT BALLISTIC PROTECTION
• NIJ4+ foldable shield

FRONT EXCHANGEABLE TOOLS
• Breaching nose
• Breaching ram
• Breaching harpoon

BODY PROTECTION
• ArmoX 500T

STORAGE BOX
• Equipment transportation

MULTI-MISSION CAPABILITY

- Mission specific configurable
- Transport of ballistic shields and other specialist equipment
- CASEVAC capability

REAR EXCHANGEABLE TOOLS

- Mobile shield carrier
- Gripper
- Telescopic Camera Carrier

QUICK COUPLER

- Quick tool connection

REMOTE CONTROL CAPABILITY

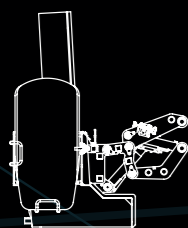
- Operational range up to 500m



OFF/ON ROAD MOBILITY

- Tracked vehicle

Mission configurable platform Selection of various mission-oriented tools



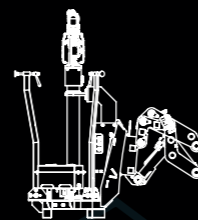
Mobile Ballistic Shield Carrier

Purpose: Transport of mobile ballistic shields



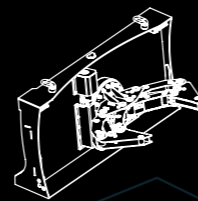
Camera Pole

Purpose: Reconnaissance behind obstacles



Universal Telescopic Mast

Purpose: Surveillance, monitoring, signal extension



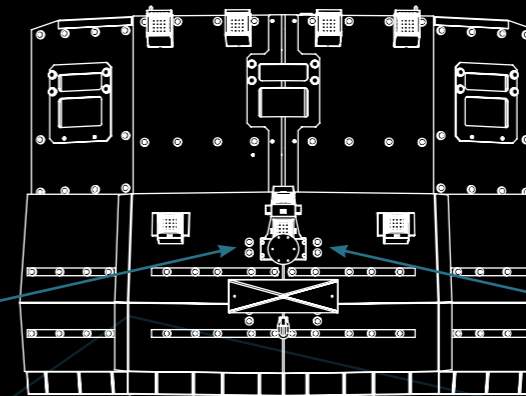
Gripper

Purpose: Lifting and removing objects



Harpoon

Purpose: Penetration and tactical pull



Ballistic Shield NIJ IV

Purpose: Full front ballistic protection of tactical team



Ram

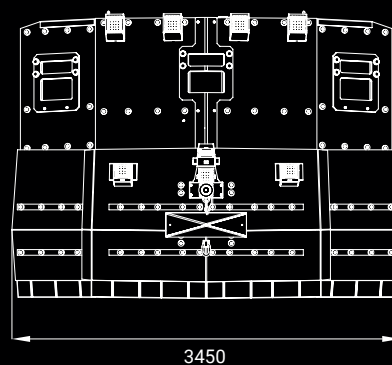
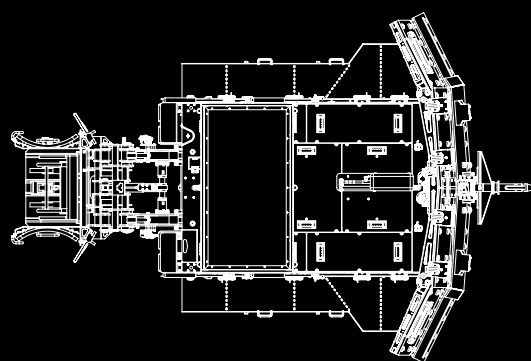
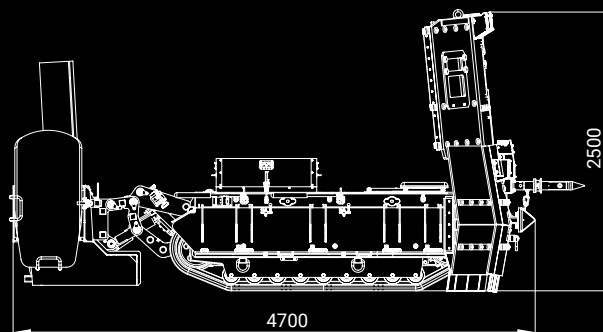
Purpose: Penetration and tactical inbreak

MV-3 TECHNICAL CHARACTERISTICS
SUITABLE FOR INDOOR & OUTDOOR OPERATIONS

The MV-3 is intended to be used by police and military special forces for indoor and outdoor operations. The vehicle can be quickly adapted to various tactical situations e.g., foldable ballistic shields and interchangeable tools enable easier and faster approach to operational area.

Technical data*

Length	4700 mm
Height	2500 mm
Width	3450 mm
Weight	6800 kg
Operational Speed	8 km/h
Protection level of the ballistic shielded	NIJ 0101.06 Type IV
Track Width	400 mm
Ground Pressure	0,5 kg/cm ²
Ground Clearance	225 mm
Battery pack capacity	36 kWh
People carrying capacity	8 people
Payload	700 kg
Storage box dimension (inside)	160 cm x 84 cm x 28.5 cm



* Standard configuration with detachable mobile shield and front foldable shield in open state

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As the OEM, DOK-ING reserves its exclusive right to modify/upgrade MV-3 entirely or partially, replace any components that make up an integral part of MV-3 in the event of their withdrawal from serial production, replacement with more modern models, or if they are no longer consistent with DOK-ING requirements toward effective use of MV-3 Robotic System.



R&TTE Directive 1999/5/EC, EMC Directive 2004/108/EC,
 Low Voltage Directive 2006/95/EC, Machinery Directive 2006/42/EC
 Other references: IMAS 09.50, CWA 15044:2009, CWA 15832:2008

Note: This product is a prototype, possible changes might occur.