

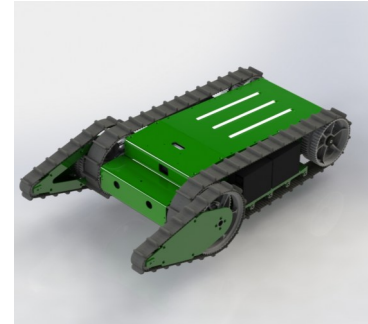
MULTIFUNCTIONAL UNMANNED GROUND VEHICLE (MUGV)



SYSTEM CONTROLS

Versatility is reality

MUGV is a stand-alone vehicle that does not require on-board operator, and will be operated remotely, It can carry up-to 70 Kg payload with two types of movements,
Horizontal Movement – for running on horizontal surface
Flipper Movement – for climb/descend on stairs



Part No: SC-SYS-MUGV-A-00-000

APPLICATION AREAS

- ◇ Surveillance
- ◇ Staircase Climbing
- ◇ Search and Rescue

Technical Specification

MECHANICAL :	MECHANICAL :
Degrees of Freedom	: 2 Axis
Weight	: 25 kg
Dimensions (mm)	: 1000 x 550 x 250
Payload	: 70 kg
Horizontal Movement	: Continuous
Gear Ratio	: 91
Output Torque (with 75% efficiency)	: 11.6 Nm
Output Speed	: 76.15 rpm
Flipper Movement	: 360° Continuous
Gear Ratio	: 156
Output Torque (with 75% efficiency)	: 19.89 Nm
Output Speed	: 44.42 rpm
ELECTRONICS :	ELECTRONICS :
Power Source	: 24 V DC/ 9 Ah Battery (3 Nos)

SERVICES

- ◆ Engineering Design & Development
- ◆ System Integration
- ◆ Electronic testing & Assembly
- ◆ CNC Machining & Manufacturing

SYSTEM CONTROLS TECHNOLOGY SOLUTIONS

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