

KOMODO

UNMANNED GROUND VEHICLE

KOMODO is an Unmanned Ground Vehicle which is capable of carrying payload and used for reconnaissance, surveillance and intervention missions in caves, urbanized terrains, multistorey buildings and plains, during daylight and nighttime.

- **SPECIAL FORCES**
 - **LAW ENFORCEMENT FORCES**
 - **COMMANDO UNITS**
- and other military units.



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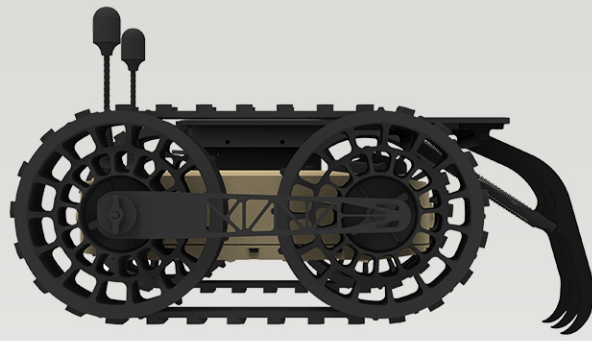


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SCAN ME

Unmanned Ground Vehicle

KOMODO

Features



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With the onboard two camera units integrated in its chassis, the vehicle provides an indoor and outdoor surveillance around-the-clock.

In addition to capability of travelling on any kind of territories with wheeled or tracked options; it also has a fording depth of 10 cm.

Being by the operator's side both in-building and outside operations, KOMODO has the ability to climb 17 cm stairs and obstacles with the help of the attached manipulator arms.

KOMODO is capable of maneuvering in limited, tiny and hard-to-reach areas; and provides intelligence to the operator via real time visual, auditory and sensor feedback from these kinds of areas.

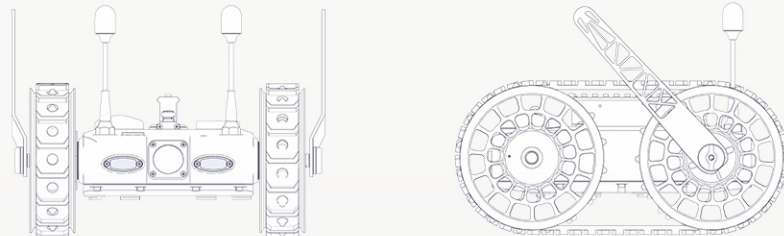
KOMODO is used with Remote Control Unit, with an operating range up to 400 meters (LOS).

With the help of GPS connection, KOMODO can autonomously return to a saved "home" area or directly to Remote Control Unit location.

Thanks to its LED and IR illuminator, KOMODO allows better camera vision in dark environments.

KOMODO allows audio surveillance by transferring the sound captured by onboard microphone to Remote Control Unit.

A user-friendly mechanical joint interface is located on top of KOMODO. By using this interface, the operator can easily attach different payloads to the UGV.



Payloads

PTZ Camera Module:

This module can perform 360° endless pan, 60° tilt motion and 4x optical zoom. It has low-light vision ability, IR illumination and can be attached on the UGV easily by using the picatinny rail.

Mapping Module:

It provides a three-dimensional map of the explored environment with 3D Lidar.

IED Detection Module:

This unit is used to detect possible IED and booby traps.

Small Arm Module:

It is a module that can be mounted with a 9 mm gun, which allows target identification and effective shooting with its built-in camera.

Payload Transport Module:

With this module, explosive ammunition can be transported and released to the desired area by lighting the timed fuse or by electrical triggering.



Dimensions (Length x Width x Height)	30x30.5x14 cm
Weight	4200 g
Speed	3 km/h
Incline Climbing	%60 (Vertical) - %30 (Horizontal)
Obstacle Climbing	17cm
Stair Climbing Ability	Applicable
Camera	Front and Rear Color Camera
Camera Angle of View	110° Horizontal – 90° Vertical
Lighting	Front/Rear LED and IR
Sound Transfer	Unidirectional
LOS Communication Distance	400+ meters
NLOS Communication Distance	75+ meters
Operation Time	In Travel Mode: 3 hours In Surveillance Mode: 5 hours
Charging Time	2 hours
Maximum Height of Drop	6 meters (Vertical) – 15 meters (Horizontal)
Return Home Function	Applicable
3D Mapping	Applicable
Operating Temperature	(-20° C) – (+50° C)
Storage Temperature	(-30° C) – (+60° C)
IP Rating	IP 65
Military Standards	MIL-STD-810G Method 501.5 Procedure I MIL-STD-810G Method 501.5 Procedure II MIL-STD-810G Method 502.5 Procedure I MIL-STD-810G Method 502.5 Procedure II MIL-STD-810G Method 506.5 Procedure I MIL-STD-810G Method 510.5 Procedure I MIL-STD-810G Method 512.5 Procedure I MIL-STD-810G Method 514.6 Procedure I MIL-STD-810G Method 516.6 Procedure I