



SAVIOR *ROVs*

INDIGINIOUSLY DESIGNED AND MANUFACTURED BY

NAVYUG INFOSOLUTIONS PVT.LTD.

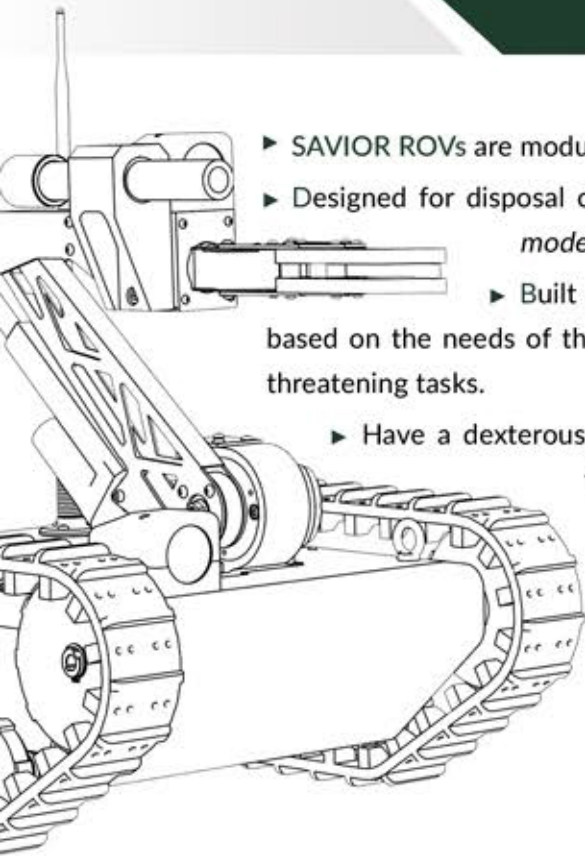
ROVs with seamless possibilities...



**NIGHT-VISION CAMERAS
WATERGUN DISRUPTOR
STAIR CLIMBING
DIGGING**

MADE IN INDIA

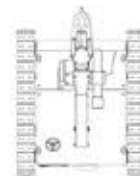
ROVS WITH SEAMLESS POSSIBILITIES



- ▶ SAVIOR ROVs are modular, multi-mission robots powered by Navyug Infosolutions.
- ▶ Designed for disposal of improvised and other explosive devices weighing up to 15 kg (as per model).
 - ▶ Built on diversely configurable versatile chassis it can be quickly configured based on the needs of the mission such as bomb detection, reconnaissance, search and other life threatening tasks.
 - ▶ Have a dexterous and simple 'gaming' type controller which can be used with almost no training.
- ▶ Portable and fully loaded SAVIOR ROVs can enter areas that are inaccessible or too dangerous for people, providing state-of-the-art technology for infantry troops, combat engineers and mobile EOD technicians.



Right



Top



Left

KEY FEATURES



▲ Terrain Negotiation

▲ Lift Capability



▲ Light Weight

▲ Disruptor



▲ Portable



▲ Nightvision



▲ Mobility & Range

▲ Obstacle Negotiation



ATTACHMENTS



▲ Non-Linear Junction Detector

▲ Metal Detector



▲ Water-gun Disruptor

▲ Tire Deflator



▲ Cutter

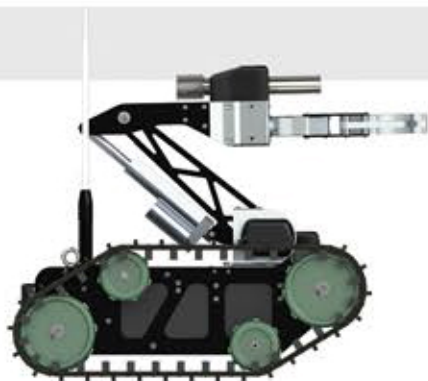
▲ Grapnel Hook



▲ Digger

And more..

COMPONENTS AND SPECIFICATIONS



Physical Characteristics

	Savior I	Savior II
Weight (Without Accesories)	75 kg (165 lbs)	45 kgs (99- lbs)
Height		
With Arm Retracted	773 mm (30.4")	600 mm (23.6")
With Arm Extended	1016 mm (40")	1200 mm (33.8")
Length		
With Arm Retracted	686 mm (27")	7640 mm (30.1")
With Arm Extended	1041 mm (41")	1288 mm (50.7")
Width	590 mm (23.3")	520 mm (20.5")
Tracks	Rugged rubberised tracks	

Mobility & Environmental

	Savior I	Savior II
Speed	1.4 m/s	1.1 m/s
Slope(Grade)	30 Deg	45 Deg
Vertical Obstacles	165 mm (6.5")	
Horizonatal Gaps	305 mm (12")	
Stair Climbing		
Rise	165 mm (6.5")	
Run	305 mm (12")	
Temperature	0 - 55 C (32 - 131 F)	
Humidity	90% RH	



Communication and Cameras

	Savior I	Savior II
Wireless range (LOS)	400m	
	2.4 Ghz / 4.9 Ghz COTS	
Radio Frequency	Modular radio interface accommodates future radio updates	
	Wide Angle	
Chassis/front camera	IR Camera Low light capability (0.5 lux)	
Resolution	1.3 Megapixels	2.5 Megapixels



Manipulator

	Savior I	Savior II
Lifting Capacity Close in	15 Kgs (33 lbs)	8 Kgs (18 lbs)
Lifting Capacity Fully extended	12 Kgs (26.4 lbs)	5 Kgs (11 lbs)
Gripper opening size	200 mm (7.9")	150 mm (7.9")
Round Object Max Size	130 mm (5.2")	150 mm (5.2")
Rectangular Object Max size	160 mm (6.3")	150 mm (6.3")
Grip Force	392 N (88 lbf)	392 N (88 lbf)
Max Elevation (From Ground)	1016 mm (40")	1200 mm (47.2")
Max Reach (Ahead of Chassis)	348 mm (13.7")	600 mm (23.6")



Accessories and Controller

	Savior I	Savior II
Disruptor (with Laser Pointer)	✓	Optional
NLJD (Optional)	Optional	Optional
Metal Detector (Optional)	Optional	Optional
Handheld Controller with 7" LCD Screen	✓	✓
Joystick Style Control	✓	✓

Battery

	Savior I	Savior II
Capacity	12V 48 AH Approx 2/4 hours of operation*	12V 28 AH Approx 3/4 hours of operation*

ABOUT NAVYUG

Navyug ("top startup to work with for Web and Mobile Applications development" - SILICON INDIA 2015), is led by a team from the IITs, ISB and the Army and acts as technical partner to companies in India, US, Singapore and Europe across multiple domains. Navyug is backed by committed software professionals from India's top institutions (IITs, BITS, NITs). We've built 100s of applications, some of which have featured in tech magazines and have won awards. Our major clients include Primerevenue, Wipro, L&T, Genability, CrediHealth, Indian Army, Cardekho, to name a few.

OUR SERVICES



Web & Mobile
Development



ERP/CRM
Implementation



Technology
Migration



Consultancy
Services



Internet of
Things

OUR PRODUCTS

Soldier2ndlife Offering great ways to earn for india's Ex-defence members and spouses.

E-Suite Online training assessment platform for corporates.

Doprep Smart and dynamic personal online tutor.



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