

# HeavyBot-10



## Unmatched Resilience



Meet Heavybot-10 not just a machine, but a guardian.

Designed by engineers who understood that every mission carries lives on the line, it was built to go where humans shouldn't have to.

Smart, resilient, and tireless, Heavybot-10 stands watch so others can stand down.

## EO/IR Camera

An EO/IR (Electro-Optical/Infrared) Camera combines a visible-light camera and a thermal imaging sensor in one system. It provides high-quality imaging during both day and night, enabling detection, identification, and tracking of targets.

EO/IR cameras are widely used in drones, surveillance, defense, search-and-rescue, and inspection applications.



## Payload Capacity upto 10 Kg

A mortar drone payload is designed to carry and deploy mortar munitions while enabling remote operation and enhanced battlefield awareness.

By integrating aerial mobility with precision targeting systems, it can support military missions in difficult terrain. Such payloads expand operational flexibility, improve reconnaissance capabilities, and reduce direct exposure of personnel to high-risk environments.



# Parameters

<b>Drone type</b>	Hexacopter
<b>Maximum Take off Weight (MToW)</b>	Up to 28 Kg
<b>Payload &amp; Type</b>	Up to 10 Kg
<b>Launch Altitude (AMSL)</b>	Up to 5000m
<b>Height (AGL)</b>	Up to 500m(AGL)
<b>Speed</b>	Up to 22 m/sec
<b>Range</b>	Up to 15km
<b>Propeller</b>	24 inches
<b>Max Flight Time</b>	Up to 40 mins (without payloads)
<b>Camera</b>	EO IR camera with 3 Axis Gimble
<b>GNSS</b>	GPS + Galileo + GLONASS + NavIC (optional)
<b>CRPA</b>	Yes (optional)
<b>Flight Modes</b>	Fully Autonomous, Manual, RTH
<b>Battery Capacity</b>	40000mAh (Standard)
<b>Ingress Protection</b>	IP65 (Optional)
<b>Frequency Hopping</b>	Yes
<b>AI features</b>	Object Tracking, DRI (Optional)
<b>Video Positioning System</b>	Yes (Optional)
<b>Functional Temperature</b>	-10°C to 55°C
<b>Communication Security</b>	AES 128/256

