

The background of the entire image is a soldier in full combat gear, including a helmet with a night vision device and goggles. The soldier is wearing a vest with a name tag that reads "INDIAN ARMY" and a patch of the Indian national flag on the right shoulder. The soldier is holding a rifle. In the background, two drones are flying in a hazy, outdoor setting.

IOTECH DEFENCE

ABOUT US

IoTechWorld Avigation Pvt. Ltd. is a deep-tech company built on a single, unwavering conviction that world class drone technology can and should be made in India, made by India & made for India.

Proudly aligned with the Make in India initiative, we design, develop, & manufacture every component in-house, from hardware and firmware to software and cloud-based AI/ML analytics. Our work is entirely homegrown driven by a world-class R&D team that holds itself to the highest industry standards.

The result? DGCA compliant UAVs that don't just meet international benchmarks but beat them.

We don't outsource. We don't cut corners. Every drone we build is a testament of what Indian engineering is capable of, and a step towards taking the lead in cutting edge technology.

A strong sales and service network across the country ensures our customers are supported at every stage, from the first query to long after delivery. We firmly believe in government initiatives like the PLI scheme & Make in India, and ensure that we build locally and create technology that is indigenous, secure, and most resilient. Our drones are already transforming agriculture, defence, logistics, and this is just the beginning.

At IoTechWorld, we're not just manufacturing drones but building a self reliance ecosystem, **'One Innovation at a time'**

Made in India, For the world.

OUR PRODUCTS



HEAVYBOT 10

- **Maximum take off weight** Up to 28 Kg
- **Payload** Up to 10 Kg
- **Range** Up to 15 Km
- **Maximum Flight time** Up to 40 Minutes (Without Payload)
- **Battery Capacity** 40000 mAh

HEAVYBOT 4

- **Maximum take off weight** 15 Kg ±250 gm
- **Payload** Up to 4 Kg
- **Range** Up to 10 Km
- **Maximum Flight time** Up to 45 Minutes (Without Payload)
- **Battery Capacity** 40000 mAh



Tethered Drone

- **Wind Resistance** Up to 15 Kg
- **Gimbal** 3-Axis Stabilized, 360° Pan
- **Tether Length** 120 m
- **Encryption** 256-bit AES
- **Battery Capacity** 40000 mAh

Skybot

- **Humid Tolerance** >90%
- **Payload Capacity** Up to 5 Kg
- **Operating Temperature** -10°C to 50°C



UAV SWARM



OFC Drone



HeavyBot-10



Parameter	Specification
Drone type	Hexacopter
Launch Altitude (AMSL)	Up to 5000m
Height (AGL)	Up to 550m(AGL)
Speed	Up to 22 m/sec
Propeller	24 inches
Camera	EO IR camera with 3 Axis Gimble
GNSS	GPS + Galileo + GLONASS + NavIC (optional)
CRPA	Yes (optional)
Flight Modes	Fully Autonomous, Manual, RTH
Ingress Protection	IP65 (Optional)
Frequency Hopping	Yes
AI features (optional)	Object tracking, DRI
Video Positioning System	Yes (optional)
Functional Temperature	-10°C to 55°C
Communication Security	AES 128/256

HeavyBot-4



Parameter	Specification
Drone type	Quadcopter
Launch Altitude (AMSL)	5000m (AMSL)
Height (AGL)	500m (AGL)
Speed	22 m/sec
Propeller	24 inches
Camera	EO IR camera with 3 Axis Gimble
GNSS	GPS + Galileo + GLONASS + NavIC (optional)
CRPA	Yes (optional)
Flight Modes	Fully Autonomous, Manual, RTH
Ingress Protection	IP65 (Optional)
Frequency Hopping	Yes
AI features (optional)	Object tracking, DRI
Video Positioning System	Yes (optional)
Functional Temperature	-10°C to 55°C
Communication Security	AES 128/256

Tethered



Parameter	Specification
Configuration	Hexacopter
Weight	< 16 kg
Parking Altitude	120 m
Launch Altitude	4500 m AMSL
Endurance	Up to 12 hrs
Operating Temperature	-20°C to +55°C
Navigation	Dual GNSS
Takeoff/Landing	VTOL
Failsafe	RTL, Comm Loss, Low Battery
EO Sensor	8 MP Sony CMOS
EO Zoom	30× Optical (180× Hybrid)
EO Video	4K @ 30 fps
Thermal Resolution	640 × 512
Temperature Range	-10°C to +50°C
Winch	Fully Automatic
Command Link	Configurable RF
Video	Real-time HD
Ground Station	Handheld

SkvBot



Parameter

Specification

Airframe Type

Fixed Wing VTOL UAV (modular composite structure)

Material

Carbon / Nylon / Reinforced Composite

Payload Mounting

Nose-mounted / Mission configurable

Motors

BLDC motors (separate lift & cruise)

Propellers

Carbon/Nylon, factory-balanced

ESC

Indigenous ESC with telemetry

Flight Controller

Industrial-grade FC with GNSS & telemetry support

GNSS Support

GPS, GLONASS, Galileo, BeiDou

Airspeed Sensor

Differential, ± 1 accuracy, up to 200 km/h (Optional)

Deployment

Field-deployable, rugged outdoor operation

Mission Modes

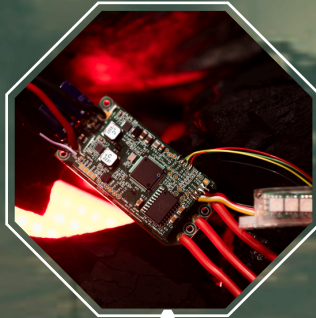
Waypoint, VTOL transition, RTL, Loiter, Failsafe

MADE IN INDIA

India is rising as the global Drone Hub, and IoTechWorld is leading with indigenously developed, lab-tested components for DGCA approved drones. Proudly, we ensure quality, reliability, and self-reliance.



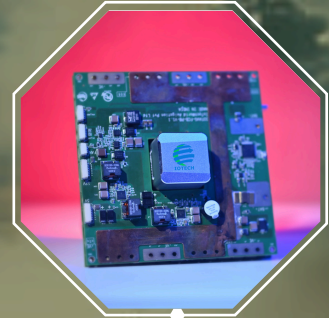
Motor



ESC



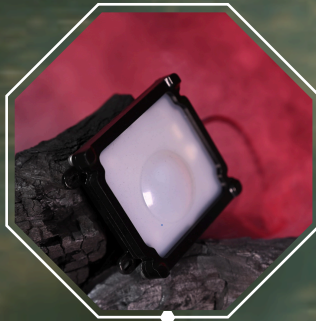
Pump



SFC (PDB)



Propeller



Radar



GNSS



Battery

IoTechWorld Avigation Pvt Ltd

Plot No. 31 & 34, Sector 35, Gurugram - 122004,
Haryana, India

T: +91 97177 43618

E: defence@iotechworld.com

W: www.iotechworld.com

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