

## Introduction

BARIQ is a multirotor hybrid-powered drone that is a long-endurance, long-range & heavy lifting drone. The UAV's airframe is made from lightweight carbon fiber.

With its robust & durable airframe, BARIQ is capable of handling harsh environments and operational conditions. BARIQ is powered by a hybrid system consisting of a two-stroke single-cylinder IC engine coupled with an electric power generator providing BARIQ with thrust force in cruising speed and utilizing the onboard Lithium polymer batteries in situations needing fast and quick maneuvering capabilities -high power consumption- to compensate and overcome the lag in typical IC engines.

BARIQ can be configurable for a variety of applications and missions such as surveillance, payload releases, search & rescue, equipment carrier, inspection & detection, wildlife monitoring, and surveying. The UAV can also be customized & developed to suit customer needs and requirements.



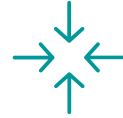
## Foldable Arms



Maintenance-friendly



Quick replacement



Compact for transport  
& storage

## 360 Lidar sensor



360° for obstacle avoidance up  
to 15 m

## Fuel level sensor



- High accuracy
- Harsh environments reliability

## Ultrasonic sensor



- Precision landing/take-off
- Vertical obstacle avoidance

## Portable Ground Station



- Easy of use and operate
- Small size Ground Station
- Fully autonomous missions
- Video link and telemetry data are encrypted

## Features

Diagonal Length (When Deployed)	2.0 m
Diagonal Length (Storage)	1.20 m
Maximum Speed	50 km/hr
Wind Resistance	15 Knot
Endurance with No Payload	Up to 4 hr
Endurance with 12 Kg Payload	Up to 2 hr
Communication Range	85 km
Altitude (above sea level)	4000 m (13,000 Feet)