

Aerial capacity

- Propulsion: rotary wings (quadcopter) or aircraft engines
- Battery: Lithium-polymer (Li-Po) or regular engines for larger UAVs

Flight control

- Control unit (IMU): accelerometer, gyroscope, compass, microcomputer/autopilot
- Artificial intelligence: obstacle avoidance, object tracking, video processing

Drone

Position control

- GNSS (GPS)
- Visual: high fidelity cameras with stabilizing gimbal
- Additional sensor data

Connectivity

- Remote control + telemetry: radio frequency, Wi-Fi, 4G, 5G, satellite, etc.