Offshore Aviation OA-4
3D Mapping • Photogrammetry
OA-8B Flight Training Platform • OA-8B Route Rehearsal
Aircraft Limitations

Aircraft Model: OA-4

Max takeoff weight = 34lbs
Center of Gravity = Max within 80mm, recommended within 30mm
Max wind = 15mph
Precipitation = None
Operating Temps = 32 – 95 degrees F (recommended)
Max altitude = 5,000’ MSL
Max speed = 30mph
Max flight time = 21 min

OA-4 Quadcopter

Specifications:

MODEL: OA-4 Quadcopter
MANUFACTURER: Offshore Aviation LLC
TYPE: Multi-rotor: Quadcopter
FRAME DIAMETER: 960mm
READY-TO-FLY WEIGHT: 12lbs 13oz
RADIO: 6 channel minimum, 8+ channels recommended
BATTERY: 22.2v 6s 8000-10000mAh 15c (two of each in parallel)
FLIGHT TIME: 21 minutes

Gear Installed:
- Radio: Futaba 14SG, Futaba 7008SB 8ch rx
- Motor: (4) KDE 4014XF 3800Kv Brushless Outrunner,
- ESC: (4) KDE 55A HV OPTO
- Propeller: (4) KDE 15.5x5.3 Folding Carbon Fiber
- Battery: (2) Turnigy Graphene 6s 8000mAh 15C
- Autopilot: PixHawk 2.1, Here GNSS GPS
- Telemetry: HolyBro 915Mhz 100mW radio
- FPV system: ImmersionRC 5.8GHz 600mW video tx, RunCam Eagle 800TVL camera, MinimOSD
- Lighting: Vulcan Day Bright LED Navigation lights
OFFSHORE AVIATION
US ARMY OA-8B
Routescene LiDAR pod
Max takeoff weight = 59.5lbs
Center of Gravity = Max within 100mm, recommended within 40mm
Max wind = 25mph
Precipitation = Dry
Operating Temps = 32 – 95 degrees F (recommended)
Max altitude = 6,000ft MSL
Max flight speed = 40mph
Max flight time (with Lidar Pod) = 25 min

OA-8B Lidar Octocopter

Specifications:

- MODEL: OA-8B Lidar Octocopter
- MANUFACTURER: Offshore Aviation LLC
- TYPE: Multi-rotor Octocopter
- FRAME DIAMETER: 1150mm
- READY-TO-FLY WEIGHT: 36.3lbs, 43.2lbs (w/ lidar pod)
- RADIO: 6 channel minimum, 8+ channels recommended
- BATTERY: 29.6v 8s 16000-22000Mah 15c (two of each in parallel)
- FLIGHT TIME: 30 minutes (25 min w/ lidar pod)

Gear Installed:
- Radio: Futaba I4SG, Futaba r7008SB 8ch rx
- Motor: (8) KDE 6213XF 185Kv Brushless Outrunner, (8) KDE 95A HVC OPTO ESC
- Propeller: (8) KDE 24.5x8.1 Folding Carbon Fiber
- Battery: (2) Tattu 8s 22000mAh 15C
- Autopilot: PixHawk 2.1, Here GNSS GPS
- Telemetry: RFDesign RFD900 915Mhz 1W radio
- FPV system: Foxeer 5.8GHz 600mW vts, Foxeer 1200TVL camera, XLRS XOSD
- Lighting: Vulcan Day Bright LED Navigation lights
- UAVionix PingRX ADS-B transceiver