

OFF-ROAD ANTENNA MAST TRAILER

THE MOBILE CONOPS FOR QUICK DEPLOYMENT MISSIONS



UAV Factory USA LLC
2777 NW Lolo Dr, Suite 130,
Bend, Oregon, 97703
+1 (541) 678-0515

UAV Factory Ltd. Europe
1 Jaunbrīdagi, Marupe
LV-2167, Latvia
+371 202 62126



All terrain trailer with hydraulic 15 meter mast. Advanced tracking antenna system with automatic calibration, digital MIMO datalink system and MESH networking. Integrated Power Generator, UPS and cargo platform for transporting Unmanned Aircraft Systems (UAS).

Key Features

- ▶ **Hydraulically actuated 15-meter mast**
- ▶ **Integrated heavy-duty tracking antenna system**
- ▶ **Automatic heading calibration and integrated IMU**
- ▶ **Various datalink and frequency options**
- ▶ **Custom data link integration possibility**
- ▶ **Integrated onboard generator and UPS system**
- ▶ **30-minute deployment by a two-person crew**
- ▶ **Integrated lighting for operating area illumination**
- ▶ **Complete Penguin C UAS with 4 aircraft fits on trailer's cargo platform**
- ▶ **Compatible with other Unmanned Aerial Systems**
- ▶ **Catapult is transported in assembled state**
- ▶ **Improved Line-of-Sight for increased radio link range**

OFF-ROAD ANTENNA MAST TRAILER



Technical specification

TRAILER SPECIFICATIONS

Size (length/width in assembled state)	7050 mm / 2250 mm
Adjustable drawbar height	480 mm - 1000 mm
Full mass	3500 kg
Road clearance at full load	300 mm
Max cargo platform capacity	360 kg
Mast height	15 m
Maximum lifting capacity	120 kg
Max speed	80 km/h
Operational temperature	-40°C to +50°C / -40°F to +122°F
Maximum wind with extended mast	22 m/s and two 1 meter diameter grid antennas

DIESEL POWER GENERATOR SPECIFICATIONS

Prime power	7 kVA
Output Voltage	230 Vac, 50.0 Hz, 1 phase
Fuel tank	70 liters
Fuel consumption (at 75% load)	2.5 l/h
Noise	70 dB(A) from 7 m distance

UNINTERRUPTIBLE POWER SOURCE (UPS) SPECIFICATIONS

Backup time:	12 hours (at 100 W consumption)
--------------	---------------------------------

