

Specification January 2026

Category	Technical Parameter	Description / Unit of Measure
1. General Characteriscs	Model / Designation	ZA-2k - Zeppelin shaped Aerostat
	Purpose	Start Reconnaissance Level
	Construction Type	The internal pressure maintains the envelope's rigidity
2. Geometric Dimensions	length	6 x 2.5 m
	Helium Volume	App 16 m3
	Fin span	X stabilizers configuration up to 10% of the side profile area
3. Masses and Payload	Gross lift	App 8 kg
	Empty System Weight	App 8 kg
	Maximum Payload Capacity	2 kg
4. Operational Performance	Max Operating Altitude	100 – 150 m
	Max Wind Speed Limit	10 km/h
	Operating Temp. Range	-10 to 60 °C
	Daily Helium Leakage	Up to 1% per day on total volume
5. Materials & Craftsmanship	Envelope Material	100 microns TPU White
	Seam Technology	Ultrasonic Welding (0.2 mm seam)
	Fin System	Composite stabilizers
	Valve System	Scoprega 2 stage valve at the back
6. Tether & Power System	Tether Line	100 m 5 mm Polyester (200 kg BS)
	Tether Power System (TPS)	No
7. Logiscs & Preparation	Setup / Inflation Time	Up to 1 hour
	Packaging Dimensions	1 x 1 x 1 m

