

NISHAN TJ-1000

AERIAL TARGET SYSTEM



Specifications:

Role	Aerial Target
Flight Modes	RPV/UAV
Wingspan	2.2 m (7 ft. 2 in)
Length	3.06 m (9 ft. 8 in)
Height	0.89 m (2 ft. 7 in)
Wing Area	2.42 sq. m (26 sq. ft.)
Dry Weight	16 kg (35 lb)
Max. take off weight	35 kg (77 lb)
Fuel Capacity	15 litres
Power plant	60 lb static thrust full flow mini-turbojet
Speed Range	250-300 kmph (150 – 187 mph)
Range (GPS/Autonomous)	20-30 km (18.75 miles)
Endurance	30 minutes
Ceiling	2000 m (7000 ft.)
Launch & Recovery	Skid landing or parachute
Stabilization & Navigation	IFCS-6000 Integrated Flight Control System
Tracking & Telemetry	ID-TM6 GPS and data telemetry module; GCS-1200 Ground Station; ATPS-1200 Antenna Tracking system.
Payload Capacity	12 kg (26.4 lb)
Typical Payloads	Up to 8 smoke flares. Up to 8 infra-red flares. Combinations of flares may be carried and activated as required. Radar altimeter module. Surveillance module, acoustic and Doppler radar MDI system. Payloads may be mixed and most carried simultaneously.