

# DINKWANYANA AEROSPACE

## S1-V300 MALE Unmanned Platform Prototype

an advanced Unmanned Aerial System prototype  
with fully autonomous operation capability

### THE MAIN FEATURES :

- Improved structural strength wings and extra hard points for carrying external payload of 300 kg
- Automatic taxi-takeoff and landing systems
- Satellite communication for extended range
- Fully redundant avionics
- Counter electronic warfare system
- Communication relay payload

### OPERATION IN FULLY-DISCONNECTED MODE:

- Remote Ground Controls network capability
- Equipped with Beyond Line-of-Sight (BLOS) data link system for over-the-horizon operations

### PERFORMANCE:

The UAV is designed to operate in harsh environments and is adapted to perform in an extremely hostile, dry and dusty ambient air



## Multi-role & Mission Ready Unmanned Aerial System

- Multiple ISR sensors
- Electro-optical Infrared (EO/IR) cameras
- RADAR
- Signals Intelligence (SIGINT)
- Communication relay payloads
- System of counter electronic warfare
- Synthetic Aperture Radar (SAR) that offers all-weather, day/night performance for a wide-area search capability

### Wide range of applications:

Supporting a variety of overland and maritime Intelligence, Surveillance, and Reconnaissance (ISR) missions worldwide

**PHYSICAL SPECIFICATIONS**

<b>PARAMETER</b>	<b>DATA</b>
Wing span	18.7 m
Length	8.7 m
Height	2.8 m
Empty weight	710 kg
Fuel tanks capacity	500 L / 380 kg
Parachute	Ballistic
Max. climbing speed	5 m/s
Altimeter	2xRadio
Operation temperature	-40C...+50C
Engine	ROTAX 915
Runway in length, at least	1100 m
Runway in width, at least	25 m

**PERFORMANCE**

<b>PARAMETER</b>	<b>DATA</b>
Maximum speed	200 km/h
Cruising true speed	160 km/h
Service ceiling	7000 m
Operational range	3680 km
Endurance (max)	23 h + hours (30 min fuel reserve)
Max. climbing speed	5 m/s
Maximum take-off weight (MTOW)	1200 kg
Max payload with full fuel tanks	100 kg
Max load factor permitted	+4 g - 2 g