

Armed UAV - Senka VTOL



The armed multipurpose unmanned aerial system with vertical take-off and landing (VTOL) is intended for reconnaissance from the air space and for collection of intelligence data, as well as forwarding the target grids and artillery fire correction grids. It may be used as solely reconnaissance aerial vehicle for the needs of collecting the intelligence data via reconnaissance from the air space. Also, for the needs of artillery fire control, the system provides targets geo-positioning, forwarding of targets grids and artillery fire correction. When the armed Senka is used, it should enable with high precision destruction or damaging of point and surface targets, moving and/or stationary targets at distances of operational depth of the enemy by releasing the lethal ordnance. It is characterized with reduced noise level and capability of precise landing onto the moving objects ("dynamic home point").

The system comprises 2 aerial vehicles, ground station, antenna array mast, equipment for transport and handling. The aerial vehicle is equipped with opto-electronic system in which three sensors are integrated. It enables simultaneous image display in visible and thermal spectrum. It possesses the function of laser rangefinder, which makes this aerial vehicle suitable for the needs of surveillance, reconnaissance, monitoring and combat use at medium ranges.

TECHNICAL CHARACTERISTICS:

Drive engine	Electro engine
Max. take-off weight [kg]	25
Payload weight [kg]	6
Max. range of comm. links [km]	50
Flight duration with OES [h]	2,5
Operational flight speed [km/h]	72
Operational flight altitude [m]	1000 - 2000