



Industrial
Accessories
Corporation

ISR DRONES

UAV SURVEILLANCE PLATFORM

Product Configuration Overview



{ *Efficient & Reliable for
Surveillance & Reconnaissance.* }

INTELLIGENCE • SURVEILLANCE • RECONNAISSANCE



**Industrial
Accessories
Corporation**

MK-VIGIL-SR

KAMIKAZE FPV

MULTI-ROTOR



FLIGHT TIME

~15-30 minutes



MISSION
RANGE

Minimum 4-5km



WEIGHT

Not more than 1.5kg
(Including payload)



Images are for representative purposes only. Actual products may vary.

PARAMETERS	SPECIFICATIONS
TECHNICAL SPECIFICATIONS	
Control systems	Fully autonomous
Size	not to exceed 10 x 10 inches
Maximum Launch Altitude (AMSL)	3500 m
Operational Altitude (AGL)	Minimum 1,500m
Design	Compact, modular structure with smooth edges
Deployment Time	Assembly and disassembly time - max 2 minutes
Wind Resistance	16 knots (minimum)
Operating temperature	-20°C to +50°C
FLIGHT MODES	
Auto Take-off & Land (Predefined and dynamically adjustable waypoints during flight)	
Fully autonomous waypoint navigation	
Return to Home Mode	
OPTIONAL ACCESSORIES	
	Hard Carry Case (Optional)

GCS CONTROLLER SPECIFICATION

GNSS SUPPORT	GPS, GLONASS and Galileo
GCS Software Features	Take off/Land without manual assistance & set UAV altitude.
Waypoint Navigation	RPV mode for semi-autonomous/manual flight

COMMUNICATION

Secure real-time drone-to-GCS communication via 2.4 GHz / 5.8 GHz or other permissible frequency bands.

BATTERY

Life	300 cycles / 2 years (whichever earlier)
Charging Time	Less than 2 hours

FAIL-SAFE FEATURES

Automatic Return To Home On	communication failure
	low battery (configurable)

PAYLOAD/CAMERA

Ni Camera	TI (Min 320x200 @ 30fps)
Sensors	EO based day camera (Min 5x zoom, 2K resolution)

NOTE

The mentioned specifications and versions are standard configurations generally offered. Customization at the component and design level is available based on operational requirements. Optional integrations and additional products are chargeable.



**Industrial
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MK-VIGIL-LR

KAMIKAZE FPV

MULTI-ROTOR



FLIGHT TIME ~40-60 minutes



MISSION RANGE Minimum 10-12km



WEIGHT Not more than 1.5kg
(Including payload)



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	low battery (configurable)

PAYLOAD/CAMERA

Ni Camera	TI (Min 640X512 @ 60fps)
Sensors	EO based day camera (Min 10x zoom, 4K resolution)

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