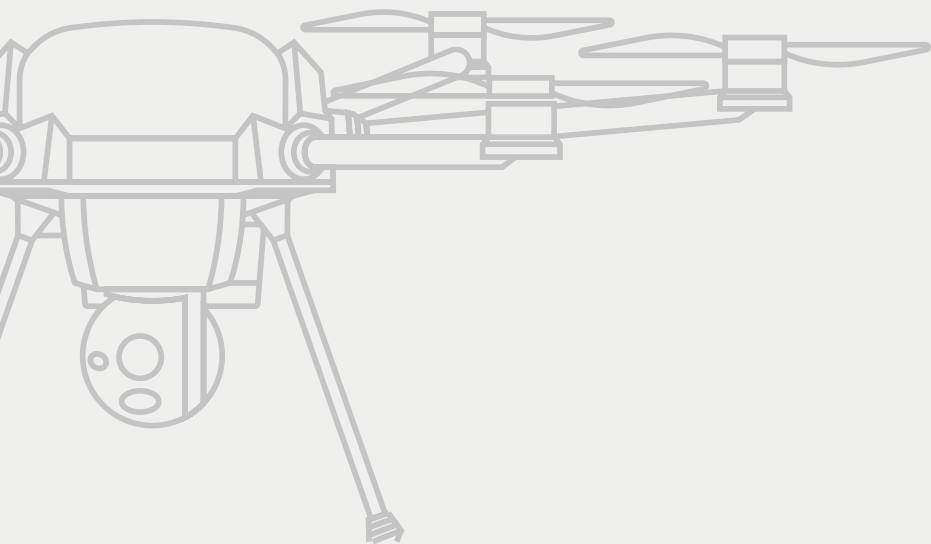
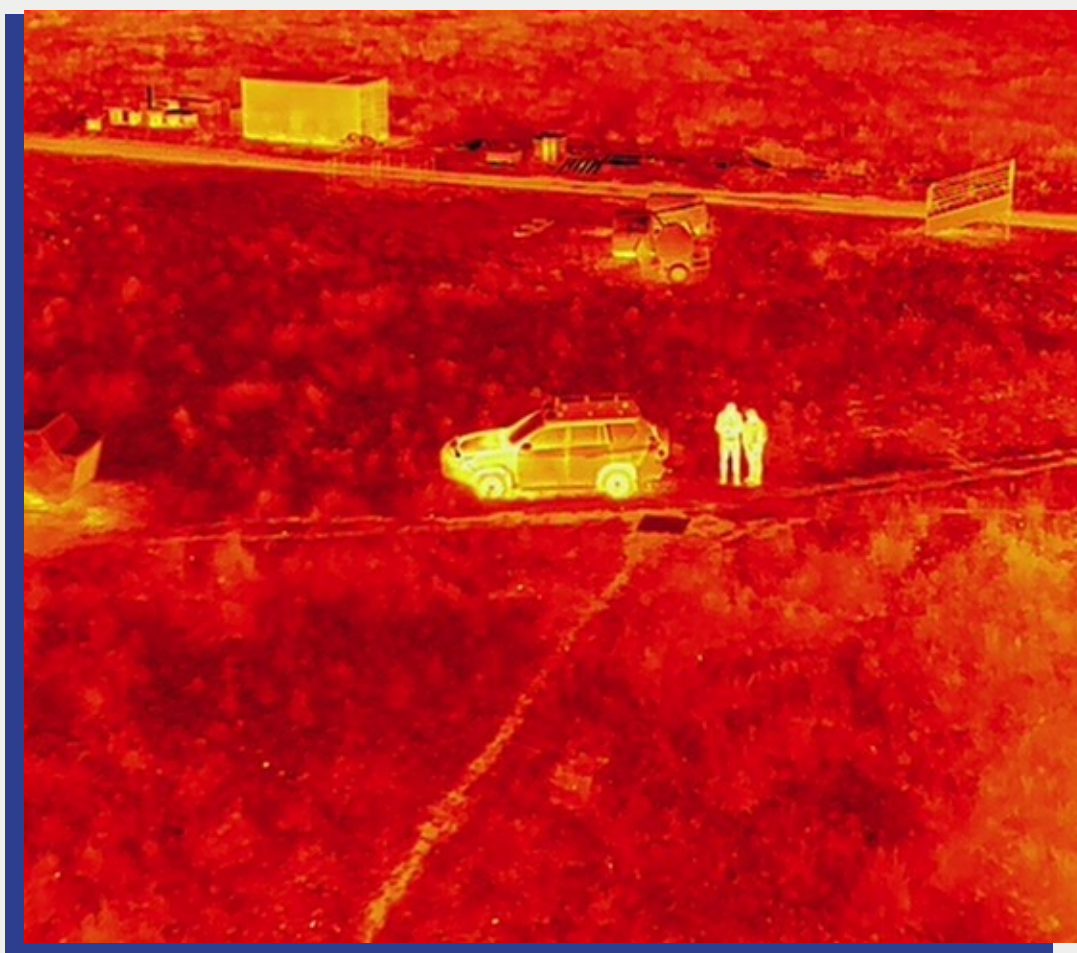




Alicorn Aviation

Product Catalogue

Designed for
Defense,
Homeland Security
& Civil Organization





UAS Model: Vayushakti
Type certificate Approved

CAT : Rotorcraft
Sub-Category: RPAS
Class: Medium

Intended Application:
Agriculture crop spraying

TECHNICAL DATA

Overall dimensions (l x b x h) in mm	2040 X 1845 X 580
Maximum all-up-weight (including payload) in kg	29.50 Kg
Details of each Compatible Payload	Flat Fan Nozzles
Variable Load/Consumables	10 Liters of agrochemicals for spraying.
Geo-fencing Capability	YES
Detect and Avoid Capability	YES (Front & Back radar, Terrain radar)
C2 Link Equipment details	Skydroid T12
Maximum Range (in km)	0.5 Km
Maximum Speed (in m/s)	6 m/s
Maximum Ceiling Height (in ft)	131 ft
Operational Envelope	Day (VLOS) Operations
Maximum Endurance (hr/m)	20 Min
Autonomous Flight Termination System	YES
Return Home (RH)	YES



UAS Model: SHREE
Type certificate Approved

CAT : Rotorcraft
Sub-Category: RPAS
Class: Medium

Intended Application:
Agriculture crop spraying and
Training Purpose

TECHNICAL DATA

Overall dimensions (l x b x h) in mm	1890 X 1638 X 519
Maximum all-up-weight (including payload) in kg	28.70 Kg
Details of each Compatible Payload	Configuration 1: Flat Fan Nozzles Configuration 2: L type nozzles Configuration 3: Centrifugal nozzles
Variable Load/Consumables	10 Liters of agrochemicals for spraying.
Geo-fencing Capability	YES
Detect and Avoid Capability	YES (Front & Back radar, Terrain radar)
C2 Link Equipment details	SIYI Mk15 (With In built Display)
Maximum Range (in km)	1 Km
Maximum Speed (in m/s)	6 m/s
Maximum Ceiling Height (in ft)	131 ft
Operational Envelope	Day & Night Operations
Maximum Endurance (hr/m)	20 Min
Autonomous Flight Termination System	YES
Return Home (RH)	YES



UAS Model: SURVEYXXK
Type Certificate Approved

CAT : Rotorcraft
Sub-Category: RPAS
Class: Small

Intended Application:
Surveillance, Mapping and
Training Purpose.

TECHNICAL DATA

Overall dimensions (l x b x h) in mm	1409 X 1223 X 495
Maximum all-up-weight (including payload) in kg	7.3 Kg
Details of each Compatible Payload	Configuration 1: ADTI 26MP 26S V2 Configuration 2: SIYI ZT6 Configuration 3: Micasense Rededge P With DLS2 GPS Configuration 4: SIYI ZR10
Geo-fencing Capability	YES
Detect and Avoid Capability	NO
C2 Link Equipment details	SIYI Mk15 (With In built Display)
Maximum Range (in km)	1 Km
Maximum Speed (in m/s)	10 m/s
Maximum Ceiling Height (in ft)	393.7 ft
Operational Envelope	Day & Night Operations
Maximum Endurance (hr/m)	50 Min
Autonomous Flight Termination System	YES
Return Home (RH)	YES



UAS Model: BALRAM - 10
Type certificate Approved

CAT : Rotorcraft
Sub-Category: RPAS
Class: Medium

Intended Application:
Agriculture crop spraying

TECHNICAL DATA

Overall dimensions (l x b x h) in mm	2040 X 1774 X 580
Maximum all-up-weight (including payload) in kg	29.61 Kg
Details of each Compatible Payload	Flat Fan Nozzles
Variable Load/Consumables	10 Liters of agrochemicals for spraying.
Geo-fencing Capability	YES
Detect and Avoid Capability	YES (Front & Back radar, Terrain radar)
C2 Link Equipment details	MK 15
Maximum Range (in km)	0.5 Km
Maximum Speed (in m/s)	6 m/s
Maximum Ceiling Height (in ft)	164 ft
Operational Envelope	Day (VLOS) Operations
Maximum Endurance (hr/m)	20 Min
Autonomous Flight Termination System	YES
Return Home (RH)	YES



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