

TANGO II TECHNICAL SPECIFICATIONS

FEATURES	TANGO HELIX	TANGO A3 PRO
Payload bottom mount	✓	✓
Payload top mount	✓	✓
Include Ronin 2 mount	✓	✓
Include Movi mount	✓	✓
Flight time	8-35 minutes	8-35 minutes
Retractable Landing Gear	✓	✓
Fixed landing gear (tripod style)	available as option	available as option
Quick release arm joints	✓	✓
Ronin 2 supported from factory	✓	✓
Movi supported from factory	✓	✓
WEIGHTS		
Maximum payload capacity	44lbs/20kg	44lbs/20kg
Airframe weight (no batteries)	32lbs/14.5kg (w/retracts)	32lbs/14.5kg (w/retracts)
Maximum take-off weight	79.3lbs/36kg	79.3lbs/36kg
Flight mode diameter	1467mm	1467mm
Vertical height	945mm	945mm
Lighting/orientation	Boom tip LED red/green	Boom tip LED red/green
Propeller	28 x 8"	28 x 8"
FLIGHT CONTROL		
HELIX	✓	
DJI A3 Pro		✓
Mavlink Support	✓	
RTK GPS	Available as upgrade	Available as upgrade
Waypoint, autonomous flying	✓	✓
Specificly designed for take off from moving platform	✓	✗
Flight logging	✓	✓
TRANSMITTER		
Control link maximum range	25miles/40km	3.1miles/5km
Controller	Custom T16 colour screen with telemetry	Lightbridge 2.0
Controller battery Voltage (V)	7.4	7.4
Controller battery capacity (mAh)	7200	6000
Transmitter battery run time	12 Hours @100mW and backlight on	~ 6 hours
VELOCITY		
Maximum horizontal velocity	70mph/112km/hr	45mph/72km/hr
Maximum vertical velocity	6m/s	6m/s
0-60mph/0-100kmph time	ATTI MODE, 13 KG Payload, 7.2seconds	ATTI MODE, 13 KG Payload, 7.2seconds
FPV		

FPV Camera	✓	✓
FPV Camera Remote Tilt	✓	✓
HD FPV Camera	✓	✗(SD)
In house developed PCB/PDB	✓	✓
Telemetry	Integrated into Transmitter	✓
Maintenance Schedule	✓	✓
TRAVEL		
Travel Case	750 x 650 x 785mm	750 x 650 x 785mm
Travel Case Cost	included in price	included in price
PROPULSION		
Propulsion system	DJI E5000 Pro	DJI E5000 Pro
Number of motors	6	6
ESC rated current	80A Continuous, 120 Peak < 3 Second	80A Continuous, 120 Peak < 3 Second
Max Thrust / Rotor	17kg / 44.4V Sea Level	17kg / 44.4V Sea Level
Recommended Take-off weight / Rotor	4.5-7kg	4.5-7kg
ELECTRICAL		
Terminal voltage	12S, 52.2V	12S, 52.2V
Factory input current rating of connector	QS8, 200A	QS8, 200A
Battery requirements	10Ah - 22Ah 6S x 4 28Ah - 32Ah 6S x 2	10Ah - 22Ah 6S x 4 28Ah - 32Ah 6S x 2