

Technical specifications

Brand:	Fly4Future
Model:	X500 Sant Anna
Serial Number:	001

Specification	Value
Flight computer	ASUS NUC 13 Pro NUC13ANKI7; 16GB RAM; 500GB SSD
Sensors	Flir Boson 640x512 camera Stereo Luxonis OAK-D W camera Ouster LIDAR Rev7 OS0-32 Garmin LIDAR-Lite 3 Laser Rangefinder
Frame	X500 V2 frame
Motors	Motors T-motor MN3510 KV700 X500
Propellers	Propellers T-motor P14x4.8
Electronics	MRS X500 custom board
Specification (without extra payload)	Value
Total weight (including batteries) (kg)	3.8
Thrust to weight	2.6
Dimensions (no propellers) (cm)	41x41x45
Dimensions (including propellers) (cm)	76x76x45
Endurance (minutes)	~23
Battery (Wh)	2x99.9
Max speed (m/s)	10
Recommended max speed (m/s)	5
Maximum achievable acceleration (m/s²)	5
Recommended (safe) acceleration (m/s²)	2
Wind resistance	Level 4 (28km/h)
Operating temperature range (°C)	4-35
Specification (with extra payload)	Value
Max extra payload (g)	1000
Endurance (including extra payload) (minutes)	~14
Thrust to weight (including extra payload)	1.8

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