

## EV390 e-VTOL Fixed Wing



### Highlights:

- High modular design, true quick release, **setup in 2mins**, switchable payload bay
- High quality workmanship
- Long endurance: max **3.5hrs**
- Heavy lift: max **10kg** payload

Product Parameter		
UAV Platform <b>EV390</b>	<b>Basic Information</b>	
	Size	Wingspan 3914mm, Length 1899mm x Height 750mm
	Flight controller	CUAV V7+ / Cube Orange+
	Materials	Carbon fiber + glass fiber
	Battery	4pc * 6S*30000mAh HED Li-Ion battery
	Package type & size	Flight case 1 for fuselage: 158*66*76cm Flight case 2 for tail: 96*55*65cm
	<b>Performance</b>	
	MTOW	35KG
	Max flight speed	37m/s ( 130km/h)
	Cruising speed	23m/s (83km/h)
	Max climbing / decent speed	4m/s, 5m/s
	Max load	10KG
	Max flight altitude AMSL	4500m
	Max wind resistance level	12m/s
	Flight Time	3.5hrs no load, 1.5hrs @ 10kgs payload
	<b>Environment</b>	
IP Grade	IP54	
Working environment	-20°C — 60°C	

<b>Data link &amp; Video transmitter <u>DIZ150T</u> (optional)</b>  	Frequency	800MHz, 1.4Ghz
	Band width	10MHz (uplink), 10MHz(downlink)
	Power	40dBm
	Modulation	OFDM/BPSK/QPSK/ 16QAW
	Data&Video transmission range	150km
	Interface	Ethernet, TTL, RS232, SBUS, SMA
	Encryption	AES256
	Dimension	176*139.3*27.8mm(Ground/air unit)
	Weight	668g
	Working temperature	-40°C ~65°C
	<b>Charger <u>UP600+</u></b>  	Input voltage
Charge power		1200W (600W*2)
Charge current		5A/ 10A/ 15A/20A/25A
LCD screen		3.5" 480×320 LCD
Dimension		268*140*127mm
Weight		3. 1kg