



**NAME: FLCR 110/220** Flight Control Research Platform

**Platform Overview** Delta Wing, canard optional, pusher research platform.

**Design Features** Delta wing aircraft designed for simplicity in build and low cost. Canard included, but can be removed with cooresponding CG shift. Pusher with camera in the nose for FPV flying. Single engine hand launch at light weights, launcher required for heavy weight(autopilot) weights. Wing is symmetric for a large speed range and neutral speed stability. Platform can be flown at aft CG's for deep stall landings. Recovery is to belly land. V220 is same body with increased wingspan to allow for greater payload and multiple autopilot options.

**V110 Dimensions**

Wingspan	48.00 Inches	4.00 Ft
Length	36.00 Inches	3.00 Ft
Max Gross Weight	2.5 lbs	
Payload/batt Weight	0.5 lbs	

**V110 Performance Specs(Max Gross)**

Endurance	15 minutes
Vel_Max Range	22 knots
Vel_Max Endurance	20 Knots

**V220 Dimensions**

Wingspan	58 Inches	4.83 Ft
Length	36.00 Inches	3.00 Ft
Max Gross Weight	4.5 lbs	
Payload/batt Weight	1.25	

**V200 Performance Specs(Max Gross)**

Endurance	45 minutes
Vel_Max Range	26 knots
Vel_Max Endurance	23 Knots

**Payload Bay Specs-All Aircraft**

Depth	2.00 Inches
Width	4.50 Inches
Length	28.00 Inches