



Document 552

FPV Multi-Rotor Club Sport Racing Recommendations

FPV Multi-Rotor Racing Classes:

Micro/150mm Class (measured as the farthest diagonal distance between two motorshafts)

SPECIFICATION	MINIMUM	MAXIMUM
Frame size:	None	150mm

SET-BACK REQUIREMENTS: 25 feet from the pilot to the flight area; 25 feet from the pilot to the spectator area.

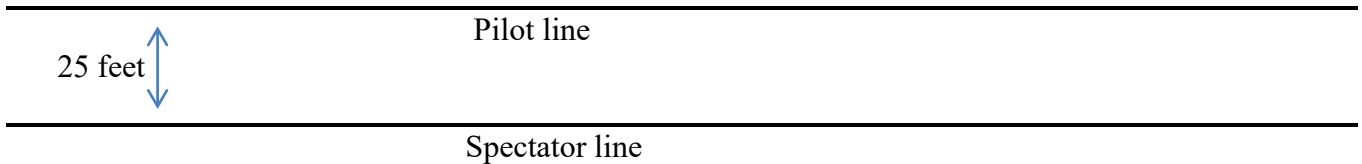
250mm Class (measured as the farthest diagonal distance between two motorshafts)

SPECIFICATION	MINIMUM	MAXIMUM
Frame:	220mm	250mm

SET-BACK REQUIREMENTS: 50 feet from the pilot to the flight area; 25 feet from the pilot to the spectator area.



Micro class: 25feet
250mm class: 50 feet



***NOTE: IF NETTING IS USED:**

150mm - 250mm Race Class - 10ft. setback for pilots and spotters from the edge of the race course and 25 ft. setback for spectators when approved safety netting is placed at a minimum of 4 ft. in front of the pilots and spectators.

Procedures:

1. Race management will assign a person designated as the Racecourse Monitor who will monitor each race to ensure that no racer goes more than 100 feet above ground level at any time. Anyone who does so will be disqualified for that race. Multiple infractions might result in disqualification for the event.
2. The course layout must include a straightaway along the inside edge of the racecourse, running parallel to the flight-line. This assumes that the spectator area is located along and set back from the inside edge of the racecourse. In any case the course must be designed so that the energy of the racing aircraft is not directed towards the spectators or other bystanders. If such is not the case, this can be mediated by erecting netting to shield the spectators and/or bystanders.
3. Depending on the course layout, the aircraft may disappear for a split-second as it passes behind an obstacle. This is acceptable, as long as the aircraft remains within visual line of sight of the spotter for the remainder of the flight.
4. Each pilot is required to have a spotter.
5. Maximum battery size is limited to 4S LiPo or LiFe packs.

