

What is FPV?

FPV (First-Person View) flying is a unique way of flying your drone. Ever wondered how movies (Skyfall featuring James Bond, Jurassic World) are able to take those fantastic scenes at such heights and speed? Most of these scenes are accomplished by using FPV drones mounted with high end cameras on it, the skillful FPV pilot will maneuvers the aircraft accordingly to take such shots!

FPV drone usually consist of a camera in front of the drone. It captures real-time video feed and send it to the goggles, which will be mounted on the pilot face. It allows the pilot to control the drone in a way that you are virtually sitting inside the drone.

There are many ways of using FPV drone and FPV drone racing is one of them. Drone racing are designed for speed and flexibility. Pilots can compete with each other and race their drones around a course, the first one to go through the finish line wins!

Course Schedule

Session	Day 1	Day 2
Morning (9am–12pm)	<ul style="list-style-type: none"> • Introduction of Drone and Drone Application • Introduction of Components and System • Basic Control of Drone • Regulations on Recreation Flying • Safety Operation Guideline • Flight simulator experience 	<ul style="list-style-type: none"> • Assemble mechanical parts • Final inspection on drone • Configuration of flight controller • Basic setting of parameters • Ground Controller binding • Testing of connections • Flight simulator experience
Lunch Break (12pm – 1pm)		

Afternoon (1pm–5pm)	<ul style="list-style-type: none">• Introduction of Maintenance tools• Solder practice• Solder electrical parts• Assemble mechanical parts	<ul style="list-style-type: none">• Goggle Binding• Goggle Testing• Flight test of the drone (Outdoor)• Basic FPV maneuvers
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Website to purchase CAAS UA registration label

<https://www.caas.gov.sg/public-passengers/unmanned-aircraft/ua-regulatory-requirements/ua-registration>