

The most used Terms and Abbreviations when dealing with DJI drones

ABBREV	QUADcopter: Drone w 4 arms – HEXAcopter w 6 arms – OCTOcopter w 8 arms
FC	Flight Controller
RC	Remote Controller
RF	Radio Frequency 2.4 GHz for drone ctrl - 5,8 GHz for Video transmission
IMU	Inertial Measurement Unit. Gyro, Accelerator, Magnetometer, Barometer
FPV	First Person View – the ‘cockpit’-view as if you are the pilot IN the drone
GIMBAL	Stabilizing cam mounting unit. 2 or 3-axis
GPS	Global Positioning System - Accuracy >50cm
GNSS	Global Navigation Satellite System
VPS	Visual Positioning System – cams ‘seeing’ and stabilizing the drone to a texture of the ground
US	Ultra Sonic (Echolot)
VOA	Visual Obstacle Avoidance - Cams w/AI (Artificial Intelligence)
IRS	Infra Red Sensors. Detecting everything warmer than the surroundings (fx. humans, animals, etc.)
FS	Fail Safe, triggering Hoover, Landing on location or RTH
TOP	Take off Point / Absolute (where the drone is lifting) / or Dynamic (where the RC is)
RTH	Return to Home. Drone returns to absolute or dynamic TOP
AFM/ IFM	Advanced Flight Modes & Intelligent Flight Modes CL, HL, POI, FM, WP, Smart RTH – Terrain follow , Active Track - Profile - Spotlight Pro (follows ID-object in picture) Tap Fly – drone flies to tapped point(s) in the picture Tripod mode - drone flies extremely slow – for slow footage Fixed Wing mode. Fly w tilted horizon – similar FPV as if in cockpit
CL	Course Lock – drone orientation towards line of nose-direction at startup
HL	Home Lock - drone orientation towards RC/pilot
POI	Point of Interest – Fly around a POI choosing direction, distance, height and speed
PAN	Spin around a hovering point filming panorama.
FM	Follow Me (follows the RC), choosing the drones distance, height and angle
AT	Active Track (follows an ID in the picture), choosing the drones distance, height and angle
WP	Way Points Navigation (drone flies to predefined positions on a map)
AGC	Advanced Gesture Control (drone can navigate and execute commands given by pilots gestures)
OcuSync	HD Video transmission system w automatic dual-frequency band switching (2,4Ghz / 5,8Ghz)
VLOS	Visual Line of Sight – larger drones can be seen clearly at longer distances
GS	Ground Station
D-RTK	Real Time Kinetics. Additional Redundant GPS+GNSS antennas w accuracy of > 1cm
IP43	IngressProtection43. Protected from tools + small wires + water spray
SDK	Software Development Kit. SW tool fo create remote controllable functions for payloads
PSDK	Post SDK. Software for use and evaluation of collected data / pictures / video