



**DRONE
SPACE**

— Ensuring a Safety Culture —

UNMANNED AIRCRAFT TRAINING ORGANIZATION (UTO)



APPROVED

TRAINING PARTNER:



WHO ARE WE?

DRONE SPACE is an approved Unmanned Aircraft Systems Training Organization (UTO) licensed and certified by the Kenya Civil Aviation Authority (KCAA) to conduct drone training. Drone Space provides Kenya and East Africa's highest quality drone training with a simple yet comprehensive model for enterprise clients, government agencies, public safety departments, and individuals.

DRONE TRAINING SCHOOL:

Drone Space is an authorized provider of the following ratings for your Remote Pilot License (RPL) and more than one rating can be obtained:

- Multi Rotor
- Instructor Rating

Besides these ratings, we offer specialized training in:

- Drone Mapping and Survey
- Thermography
- Drone Cinematography
- Radio Telephony License

DRONE SPACE COURSE LIST

- ❖ Remote Pilot License (RPL)
- ❖ Radio Telephony
- ❖ Instructor Rating Course
- ❖ Drone Mapping and Survey
- ❖ Thermography
- ❖ Under-18s Holiday Camp



REMOTE PILOT LICENSE (RPL) COURSE

Who is this for?

The RPL course is designed for individuals who are interested in starting a career as a drone pilot or for unlicensed drone pilots who want to fly legally. This course is also suitable for individuals who are looking to add drone operation skills to their CVs. By obtaining an RPL, you will be able to legally operate drones in Kenya and potentially pursue a career in various industries, including cinematography, agriculture, and construction, survey and mapping among others.

OVERVIEW

THEORY – PART 1

- Air Law/ CAA (Unmanned Aircraft Systems) Regulations 2020
- Operating Procedures and Specifications
- UAS General Knowledge
- UAS Theory of flight
- Meteorology
- Navigation
- Human Factors
- Flight Planning
- Radio Telephony – Offered Separately (Info on the next page)

*Mock exams are given at the end of each subject.

CHECKOUT (SKILLS TEST) – PART 3

Students undergo a checkout flight by a qualified designated flight examiner (DFE) where their knowledge of the rules of the air, regulations, airmanship & flight ability will be tested and evaluated in accordance with the KCAA's Manual of Implementing Standards.

RPL CERTIFICATION – PART 4

Passing this test will qualify our students to complete an application for a Remote Pilot License (RPL) at KCAA.

PRACTICALS – PART 2

One on One instruction with professional flight instructors with a recommendation of **5 hours** of flight time.



Learning Outcomes

- Develop an understanding of drone regulations, safety procedures, and drone technology.
- Acquire practical skills in drone operation, including pre-flight checks, in-flight maneuvers, and emergency procedures.
- Learn how to plan and execute drone missions

RADIO TELEPHONY

Who is this for?

The Radio Telephony License course, offered in partnership with the Nairobi Flight Academy, is designed for Remote Pilot License (RPL) holders seeking to operate drones in controlled airspace and conduct Beyond Visual Line of Sight (BVLOS) operations. This comprehensive training equips participants with the necessary skills in radio telephony procedures and communication protocols. Upon passing the exam administered by the Kenya Civil Aviation Authority (KCAA), successful participants are granted a Radio Telephony Operator License valid for two years, renewable upon expiration. The course spans five days and covers essential topics such as radio phraseology, air traffic control communication and emergency procedures.

The Radio Telephony License course is an essential requirement for drone pilots operating in areas that require communication with air traffic control or for those planning BVLOS operations. With this license, participants gain the readiness to conduct missions in controlled airspace, ensuring safe and compliant drone operations. By partnering with the Nairobi Flight Academy, we deliver top-quality training that prepares RPL holders for the KCAA exam.

OVERVIEW

Subjects Covered

- General Phraseology
- Aerodrome Control
- Approach Control
- Flight Information Service
- Weather
- Communication Failure
- Distress and Urgency
- VHF Propagation
- Flight Scenario

*An exam for each subject covered is offered at the training in readiness for the licensing exam.



Learning Outcomes

- Develop proficiency in radio telephony procedures for drone operations in controlled airspace and BVLOS missions.
- Acquire comprehensive knowledge of radio phraseology, air traffic control communication, emergency procedures, and airspace regulations.
- Successfully pass the KCAA exam and obtain a two-year Radio Telephony Operator License, enabling compliant operations in controlled airspace.

INSTRUCTOR RATING

Who is this for?

The Instructor Rating course is designed for individuals who already hold an RPL and are interested in becoming certified drone instructors. This course is ideal for RPL holders who have a passion for teaching and want to share their knowledge and experience with others. By completing this course, students will learn how to effectively instruct RPL students, create course materials, and design training programs. Upon completion, students will receive an instructor rating from the Kenya Civil Aviation Authority (KCAA), which will enable them to train and certify future RPL holders.

OVERVIEW

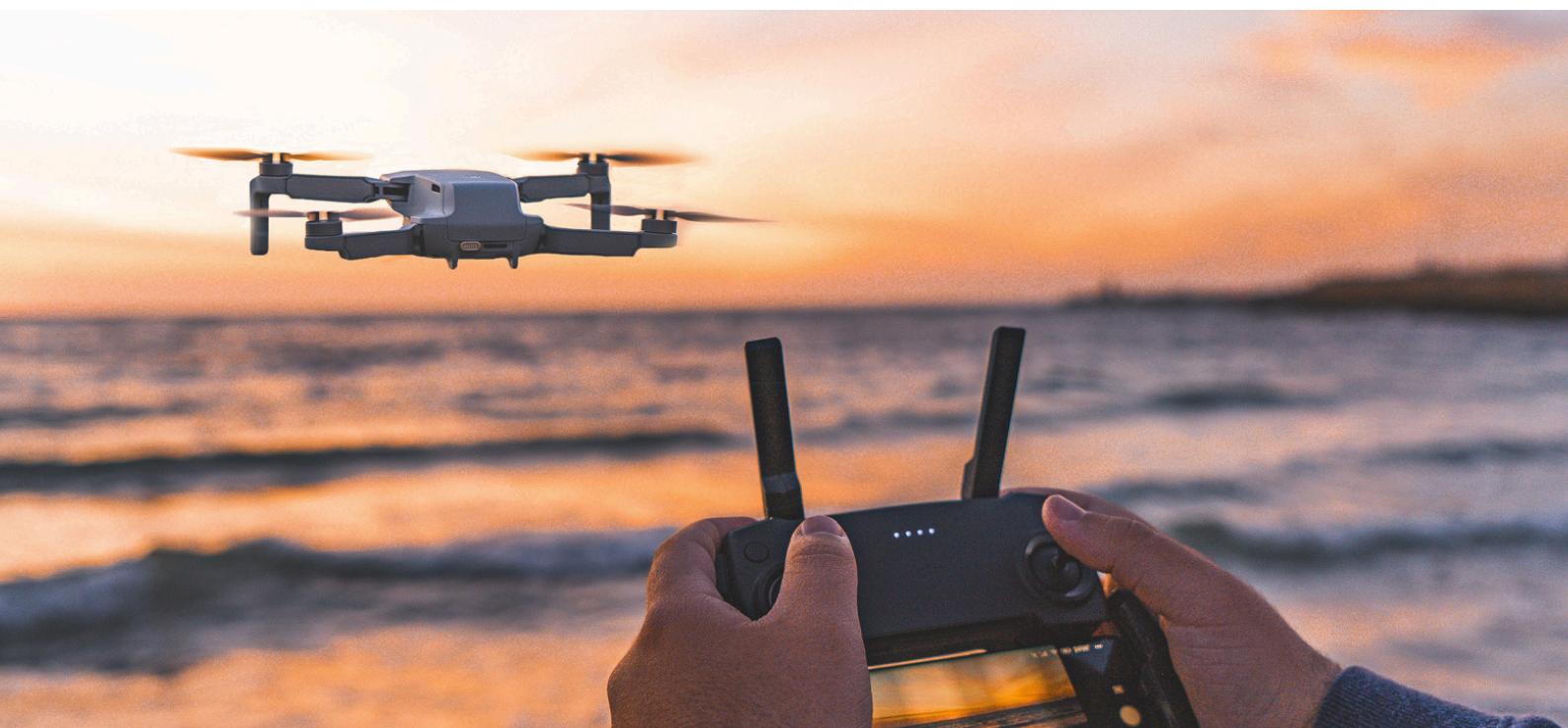
Train The Trainer - (1 day)

Train the trainer is a program used by trainers to train potential instructors or less experienced instructors about the best ways to deliver training materials to others. RPL Instructor Ground School - (2 days) The first part of your RPL Instructor license is theoretical based on the CAA (UAS regulations) 2020 and addition practical presentation practices are incorporated.

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Practical Briefing & Patter Training (7 days)

The RPL instructor practical briefing is a one-on-one which consists of preparing briefings and conducting 5hrs of briefing with an instructor. Briefing also consist of giving ground school theory subjects the supervision of an instructor.



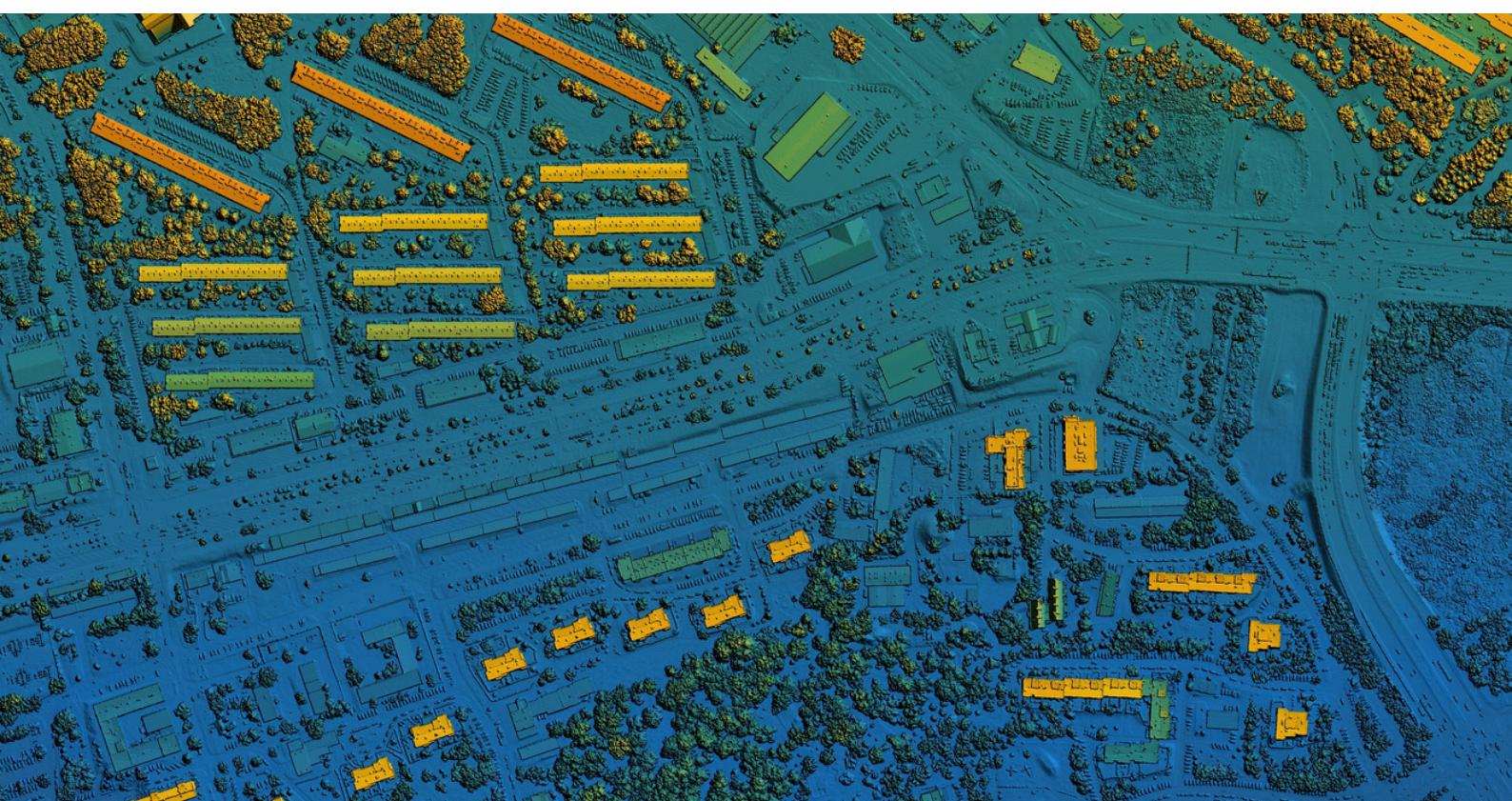
DRONE MAPPING AND SURVEY

Who is this for?

The Drone Mapping and Survey course is a 5-day course designed for RPL holders who want to learn how to use drones for mapping and surveying purposes. This course is suitable for engineers, surveyors, environmental scientists, among others. It is also ideal for individuals interested in starting a drone mapping and surveying business. By completing this course, students will acquire practical skills in drone operation, surveying techniques, and data analysis. They will also learn how to process and interpret data obtained from drone surveys to generate accurate maps and 3D models.

OVERVIEW

- Introduction – Mapping drones and payloads
- Missions, Mission planning software & Flight planning
- GCPs Pre-marking & GNSS Survey
- Aerial LiDAR Mapping
- Mission Planning with DJI Pilot & Drone Deploy
- Data collection using Zenmuse L1
- Data Processing & Analysis using DJI TERRA, Pix 4D Mapper & Global Mapper
- Workflow Review and Project Accuracy Verification Procedures
- Practical session using a DJI Matrice 300



LEVEL 1 THERMOGRAPHY CERTIFICATION COURSE

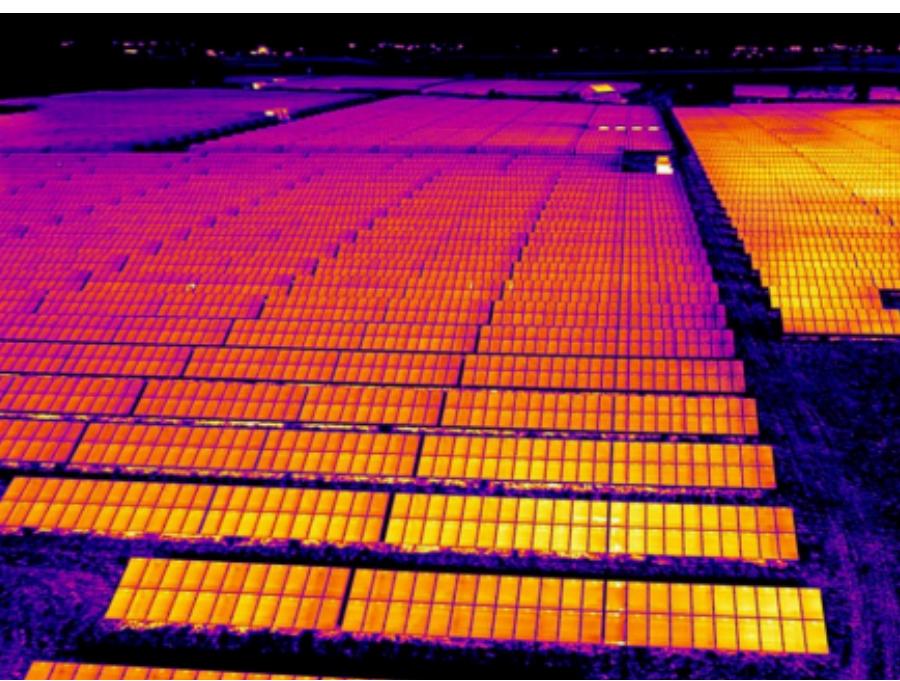
Who is this for?

The Level 1 Thermography Certification course is designed for professionals who want to develop practical skills in using thermography for inspections and diagnostics. This course is suitable for individuals working in industries such as electrical, mechanical, and building inspections, as well as professionals involved in research and development.

The certification is offered in collaboration with the Infrared Training Centre (ITC) and is globally recognized. By completing this course, students will learn how to use thermal imaging cameras to identify and diagnose faults in various systems, including electrical equipment, buildings, and mechanical systems. They will also gain an understanding of infrared theory, heat transfer concepts, and thermal imaging standards. Upon completion, students will receive an internationally recognized Level 1 Thermography Certification, which can enhance their career prospects and credibility in the industry.

OVERVIEW

- Introduction to Thermography
- Heat & Temperature
- Infrared Theory Basics
- Measurement Techniques
- Basic Heat transfer theory
- Camera Measurement tools
- Camera/Software familiarization
- ITC Certification Test



UNDER – 18S HOLIDAY CAMP

Who is this for?

The U-18s Holiday Camp is a drone STEM program designed for kids, teens, and high school students between the ages of 7 and 17. The program is organized during school holidays to introduce young people to the emerging technology of drones and inspire their interest in science, technology, engineering, and mathematics (STEM) subjects. This program is suitable for young people who are curious about drones and want to learn about their applications and operations in a fun and safe environment.

By participating in this program, students will learn the basics of drone operation, including flight controls, aerial maneuvers, and safety procedures. They will also learn about the various applications of drones in different industries and participate in drone-related challenges and competitions. This program aims to inspire young people's interest in STEM and encourage them to consider careers in technology and innovation.



FEE STRUCTURE

Remote Pilot License (RPL)	KES. 170,000 Discounted Fee: 136,000 (Inclusive of Medical)
Radio Telephony License	KES. 35,000 (Exclusive of Exam and English proficiency, and license fees)
Instructor Rating	KES. 250,000
Level 1 thermography Certification	KES. 200,000
Mapping & Survey	KES. 110,000

Fees are payable prior to the commencement of the Course and in order to secure your booking.

KCAA APPROVED DOCTORS:

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— Ensuring a Safety Culture —



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