Welcome to the future – Drones are changing the World!

Drones, or formally known as unmanned aerial vehicles (UAVs), are transforming the way people get their jobs done. Today, drones are not just for hobbyists or photographers but also for a multitude of sectors and industries. For example, drones are used to assist police in tracking intruders and suspects. Drones have also been deployed for search and rescue operations, and tracking fire’s progression for firefighters. In construction industries, drones are now used to monitor sites and keep track of the construction progress; while in precision agriculture, drones are used for crop monitoring, disease detection, and aerial crop spraying. There are many more interesting and exciting applications of drones, as the related technologies are just beginning to be affordable and widely available.

It’s incredibly fun to fly a drone, no matter your age or experience level. Drones are extremely useful both as recreational devices and as tools of work. Before flying your drone, however, there are restriction, requirements, regulations and rules that you need to be aware of and follow.

Who should attend this UAV training

This training provides a comprehensive overview of aerial photography, from basic understanding of flight dynamics and cameras, to practical tips on how to take good quality flight photos and videos. During hands-on sessions, participants will learn how to fly a drone and take nice aerial photographs. This training is ideal for both hobbyists and professionals who intend to learn aerial photographs and work on commercial drone services.

Benefit

The course will enable you to:

- Understand the basic of taking flight photographs and videos
- Understand the basic of photo and video editing
- Take a cool aerial photograph!
Course Outline

Day 1: Flight Dynamics and Cameras

Flight dynamics:
- Lift
- Turbulence
- Axis of movements
- Motion along axis

Introduction to digital camera:
- Basic aspects of exposure (ISO, aperture, shutter speed)
- Exposure compensation

File formats:
- Advantages vs. disadvantages
- Bracketing
- HDR

Hands-on:
- Methods to avoid prop wash
- Capturing HDR image
- Capturing bracketed image
- Capturing raw image

Day 2: Image Quality

Basic rules of image taking:
- Rule-of-third
- Halves
- Focus points

Advanced features:
- Using the built-in gridlines
- Filters

Colours:
- Colour temperature
- Colour gradients

Hands-on:
- Taking flight photos & videos

About AIRWORKS ACADEMY

AIRWORKS is the appointed training partner of DJI’s UTC (Unmanned Aerial Systems Training Center). Aiming at UAV professional application, we offer full range of training programs including introductory courses for UAV operator, and advanced professional courses for selected industries, such as aerial photography, precision agriculture, search-and-rescue, traffic monitoring and analysis, construction and site inspection, mobile telecommunication inspection, oil and gas inspection, and more.

AIRWORKS has a robust faculty team consisting of professors and certified drone specialists who have numerous experiences in professional drone operations and applications. The team has received specialized master training by UTC Co. Ltd. in Shenzhen, China to deliver professional training courses in accordance with DJI and UTC standards and requirements.

AIRWORKS ACADEMY

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