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 an extensive review on professional photography and videography techniques, from basic to advance-level of photo/video taking, editing and post processing steps. During hands-on sessions, participants will learn how to capture time-lapse video, panorama photo, and more. A qualification examination will be arranged at the end of the training. This course is designed for professionals who intend to work on commercial drone services related to aerial photography.

Benefit

The course will enable you to:

- Understand the advanced techniques of taking aerial photographs
- Understand the basic of photo and video editing
- Get UTC Professional Certification on Aerial Photography!

Pre-requisite: U1026 Basic Aerial Photography (Part 1)
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.

Course Outline

Day 1: Professional Photography and Videography

Introduction:
- Examples
- Project planning

Understanding exposure:
- Metering
- Dynamic range

Lighting and colour:
- Light at different moments
- Contrast in light
- Light characteristics
- Direction of light
- Classification of colour
- Colour temperature
- Utilization of colour

Video parameters:
- Resolution
- Frame rates
- Compression formats

Flying while taking videos:
- Basic flight paths for video taking

Hands-on:
- Basic photo editing
- Basic video editing

Day 2: Special Images and Post Processing

Composition:
- View finding
- Shots
- Height and distance
- Image elements
- Graphic elements

Special images:
- Time lapse
- Panorama

Scenes:
- Urban areas
- Mountain areas

Post-processing:
- Image formatting
- Photo editing
- Video editing

Hands-on:
- Capturing a time lapse video
- Capturing a panorama photo

Day 3: Qualification Examination

1. Practical Assessment
   a. Time lapse video capturing
   b. Panorama photo capturing
   c. Raw photo editing
   d. Video compilation

2. Online Examination (1.5 hours)