

Digital Surveillance Photography Course

The Digital Surveillance Photography Course provides students with a familiarization of different types of digital still cameras, an understanding of the techniques associated with using photographic equipment, and applying it to surveillance operations. Additionally, students learn how to improve collected images through the use of image enhancement software, and how to mark individual images for incorporation into an intelligence package. Students receive instruction in the use of cover and on the mission planning process. The course is designed to give graduates a very good overall knowledge of the equipment, proper use, and planning considerations needed to execute a fixed or mobile surveillance mission utilizing digital photography equipment.

1. Objective: Learn the fundamentals of digital photography surveillance operations & equipment. Graduates demonstrate proper technique using specific equipment, and practice proven tactics, techniques & procedures for operational environments.
2. Lesson Assessment: Daily classroom instruction and hands-on practical exercises are conducted to demonstrate a mastery of daily objectives. Each day of class includes hands-on demonstrations by the instructor. When the instructor is confident that the objective of the demonstration is understood, the class conducts practical exercises to enhance their comprehension of the task. These practical exercises include equipment use & setup, basic street craft, planning, & conducting surveillance operations utilizing techniques taught in class. The instructor also insures that key terminology is understood by the class as it is used repeatedly in the classroom and during the practical exercises.
3. Prerequisites: Students of the Digital Surveillance Photography Course are not required to have any knowledge of digital photography equipment, urban fixed or mobile applications, or surveillance experience. Mission planning experience is helpful but not necessary to complete or attend the course. **Enrollment is restricted to individuals who are employed as law enforcement agents, investigators, or officers; members of the U.S. military; non-contract employees of the Department of Defense, Department of Homeland Security, and U.S. intelligence agencies.** All students need a willingness to learn and an attitude that fosters a good learning environment for all parties involved.
4. Materials: Students need note taking materials and cell phones. As the majority of learning is dependent upon having the necessary materials TSE, Inc. provides the following equipment: mapping & planning computers, image enhancement software, digital maps, vehicles, *SOME* digital photography equipment, concealment supplies, connectors, tools, cables, radio systems. **It is HIGHLY RECOMMENDED that students bring with them any organizational Digital Single Lens Reflex (DSLR) Canon or Nikon camera systems and lenses up to 400mm that are available to them.**
5. Instruction: PowerPoint presentations are used as a teaching and lecture tool. These presentations progress in a logical manner starting with an overview of basic digital photography theory & terminology. The presentations then flow from a discussion on types of digital cameras, differences between models, and techniques for use in a surveillance environment to instructor guided demonstrations and team/class practical exercises.



6. Student activities: Student activities are geared toward a 5-day block of instruction that includes operations or exercises conducted during periods of darkness.

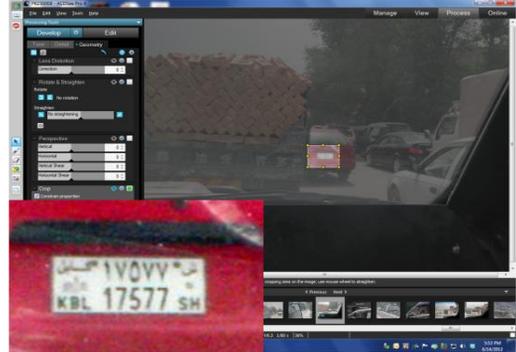
Day 1: Focuses on classroom instruction detailing a basic digital photography overview & consumer grade cameras hands-on session. The day finishes with a student practical exercise using consumer grade cameras.

Day 2: Commences with an instructor led overview, demonstration, and hands-on session with professional grade DSLR cameras. The remainder of the day is devoted to student practical exercises using the professional grade cameras.

Day 3: Begins with field & range testing with the cameras for the morning. An orientation and exercise on video camcorder equipment will follow. The afternoon concentration is on processing video recordings and extracting still images for documentation purposes.

Day 4: Progresses to a mission planning, surveillance techniques, & operational cover class followed by an urban surveillance mission using only digital photography equipment. Team leaders are selected and must plan for and execute a surveillance operation based on techniques presented in the course. The practical exercise includes at least one fixed site installation. Following the exercise, an after action review is conducted, critiquing each team's performance & product achieved.

Day 5: The final day consists of familiarization on image manipulation software and focuses on using the program to enhance images for intelligence value. Following the overview, the students have a hands-on practical exercise that tests their knowledge on the use of the program. The last day ends with a week overview and question and answer session.



7. Contact: For questions concerning registration, training, and location please contact the Director of Training, Mark Conneway at (910) 425-7232 or 3360, or via email at training@tserecon.com.