The Basic Audio/Video Applications Course provides students with comprehensive theory, knowledge of Closed Circuit Television (CCTV) equipment, terminology, power computations, lens selection computations, troubleshooting procedures, analog & digital video capture, concealable camera wiring construction, techniques for concealing cameras & technical force protection surveys. This course is designed to give the student a very good overall knowledge of the equipment & proper use needed to install, operate, and maintain video observation posts, and to conduct technical force protection surveys.

Objective: Learn the fundamentals of basic audio/video surveillance. This includes CCTV equipment, terminology, power, lens selection, troubleshooting, video capture, wiring, & technical force protection surveys.

Lesson Assessment: Daily classroom instruction, hands-on assessments & practical exercises will be given to demonstrate a mastery of that day's objective. 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 test their comprehension of the task. These practical exercises include equipment setup & use, analog A/V capturing, digital A/V capturing, troubleshooting, conducting surveys, wiring, power, concealable camera applications & lens selection, utilizing techniques taught in class. The instructor also ensures that key terminology is understood by the class as it is used repeatedly in the classroom and during the practical exercises.

Prerequisites: Students of the Basic Audio/Video Applications Course need to have no specific knowledge in order to 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.** Students need a willingness to learn and an attitude that fosters a good learning environment for all parties involved.

Materials: Students need note taking materials & cell phones. As the majority of learning is dependent upon having the necessary materials TSE, Inc. provides the following equipment: Student laptop computers,

software, CCTV equipment, student practical exercise supplies & survey site. In the event the students want to train on their specific CCTV recording equipment, the students must bring that equipment to the course.

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Instruction: The instruction given by TSE, Inc. is paramount to the student's successful understanding of the course objectives. A power point presentation is used as a teaching and lecture tool. This presentation progresses in a logical manner starting with an overview of CCTV systems & terminology. Next the presentation familiarize the students with common equipment used, lens computations, power computations, video capture, force protection survey, camera wiring, and finally examples for concealing cameras. Finally the instruction flows to instructor guided demonstrations & individual practical exercises.

Student Activities: Students attend a 5-day block of instruction.

Day 1: Focuses on basic video theory through classroom instruction detailing a CCTV overview to include terminology. Students receive hands-on training with a variety of CCTV equipment currently used, & a lens selection class & practical exercise.

Day 2: Continues with CCTV equipment hands-on and progress into CCTV equipment pile tests & troubleshooting tests.

Day 3: Consists of CCTV equipment field and range testing at a remote location.

Day 4: Progresses to learning analog and digital video capture into a computer. Following the video capture portion, students receive a digital image manipulation orientation class. Students are required to complete a variety of practical exercises demonstrating their comprehension.

Day 5: Continues with a board camera and cop wire project where students must build a covert camera system and integrate it into some type of concealment device. The day ends with an overview on covert vehicular camera installs. The last day ends with a week overview and question and answer session.

Contact Tactical Support Equipment, Inc. for pricing and availability. **TSE, Inc. must have a minimum number of students in order to conduct the course.**

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.

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