CRIME SCENE PHOTOGRAPHY BASIC CLASS

Mandatory Equipment Review

INSTRUCTOR

DAN READ FBI SEATTLE

EQUIPMENT INFORMATION

- This information in this presentation is to aid the student with the Required Equipment.
- Please review along with your equipment checklist for the class.
- The pictures shown will assist you in making sure you have the right equipment since some of the students will have minimal or no experience with photography equipment.
- For the success of the student, everyone needs to come with this equipment to get the most out of the class and everything required is at a minimum you need to photographically document a crime scene

EQUIPMENT DON'TS

- No camera or flash that is older than 4 years.
- Do not bring a camera you won't be using after the class, as you will forget most of what you learned.
- NO plastic tripods!! Please purchase a quality tripod if you need to.

REQUIRED EQUIPMENT

- DSLR Camera
- General purpose lens (usually 18mm to 120mm)
- Macro/Micro Lens capable of shooting 1:1
- Dedicated Speedlight (flash)
  - Must be capable of shooting TTL and Manual, ETTL and Manual for Canon
- Lateral Tripod or Tripod with pistol grip
- Remote shutter release
- TTL-off camera flash cord (6 feet long)
- 2- 4GB Camera memory cards
- Camera Manual
- Laptop Computer and memory card reader for the camera card being used
- Large black golf umbrella
- "L" shaped ABFO ruler and/or hinged L reference scale
- Small push button flashlight and large flashlight
- Extra flash batteries

DSLR CAMERAS

MAKE AND MODEL

Canon and Nikon equipment is listed because they are most common.

GENERAL PURPOSE LENSES

18MM – 120MM SOMEWHERE IN THAT RANGE

MACRO (CANON)/MICRO (NIKON) LENSES

THESE ARE GENERALLY THE SAME OR SIMILAR LENSES, CANON AND NIKON USE DIFFERENT WORDS
THE BEST LENS WOULD BE ONE THAT PHOTOGRAPHS 1:1

MACRO ACCESSORIES IF YOU DON'T HAVE A MACRO OR MICRO LENS

Filter Kit

CAMERA FLASH

- The flash must be able to shoot the following
  - TTL mode
  - ETTL for Canon
- To use TTL or ETTL you need a dedicated flash which means it must work with the make and model of your camera so it can work properly in all modes. (if you have a Canon camera, it does not have to be a Canon flash there are many other brands that will work, just make sure it works with your make and model of your camera)
- The flash must have Manual mode with some type of distance scale in feet as shown in the next slide.

FLASH

WITH MANUAL MODE IS IMPORTANT TO UNDERSTAND FLASH FUNDAMENTALS LIKE THE ONES BELOW

These flash have Manual mode but no way to know in feet, you have to guess, and it will frustrate you.

ACCEPTABLE FLASHES

Distance Scale in Feet

UNACCEPTABLE FLASHES

LATERAL TRIPOD

PLEASE DO NOT BRING A TRIPOD THAT IS MADE OUT OF PLASTIC, THEY TEND TO BE VERY UNSTABLE AND MAY NOT ALLOW YOU TO ADJUST PROPERLY TO SHOOT 90 DEGREES OVER SOMETHING. YOU MAY ALREADY HAVE A DECENT TRIPOD BUT WANT A DIFFERENT TRIPOD HEAD SOME EXAMPLES OF THESE ARE BELOW.

Tripod Heads that allow you to shoot at 90 degrees

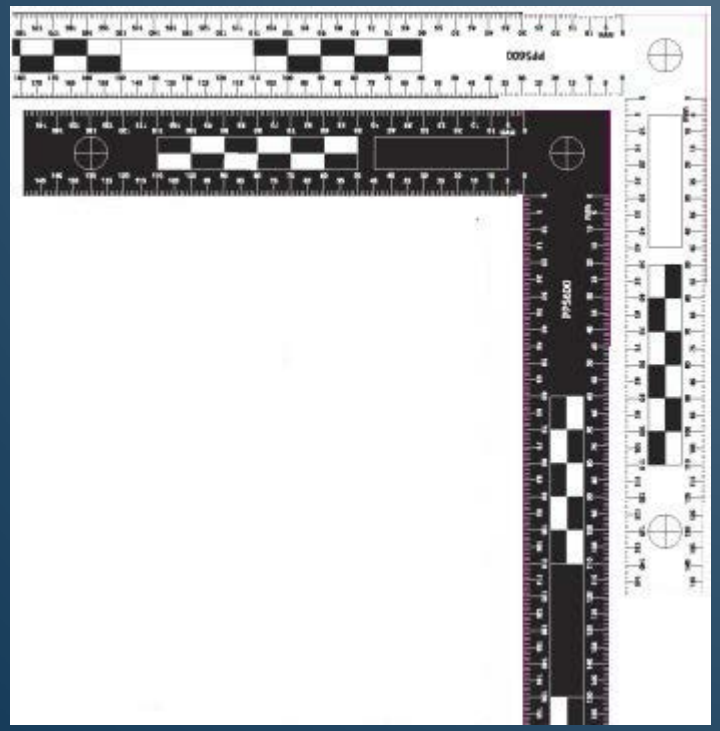
REMOTE SHUTTER RELEASE CORD

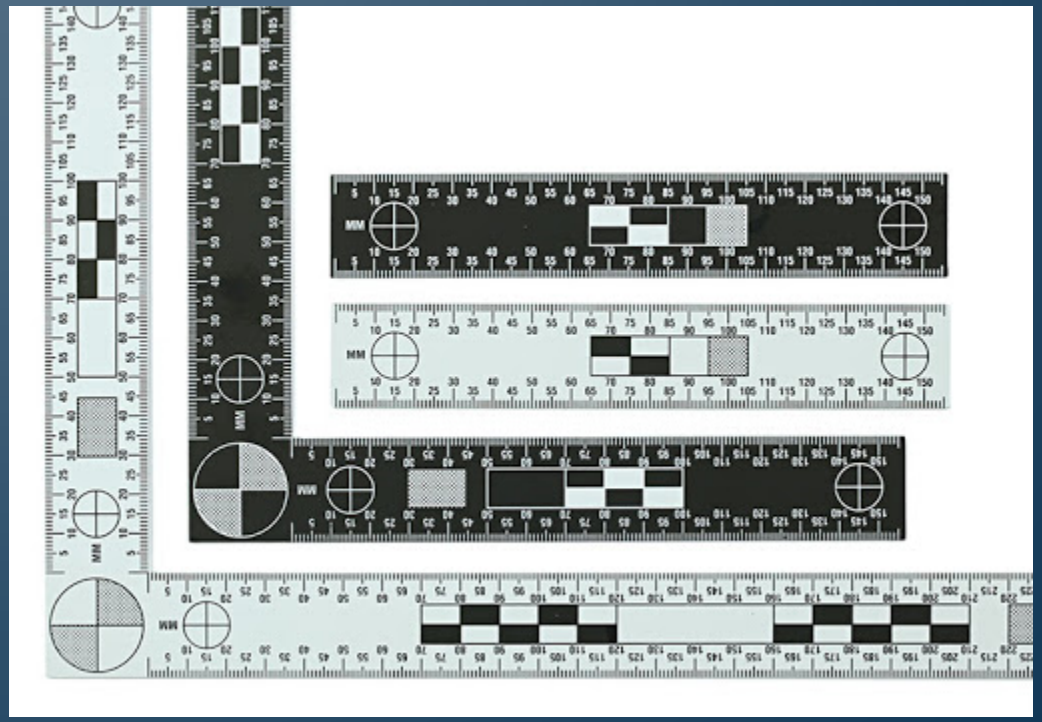
WIRED WORKS BEST BUT YOU CAN ALSO USE A WIRELESS REMOTE THAT MAY HAVE COME WITH YOUR CAMERA.

TTL OR ETTL (CANON) OFF CAMERA FLASH CORD

MAKE SURE THIS WORKS IN TTL OR ETTL WITH YOUR CAMERA AND MAKE SURE IT IS AT LEAST 6 FEET.

"L" SHAPED ABFO RULER AND/OR HINGED L REFERENCE SCALE OR EQUIVELENT





OTHER EQUIPMENT

- 2 Camera Cards
- Camera and Flash manual
- Laptop Computer and camera card reader if needed
- Large Black (solid black) Golf Umbrella
- Extra batteries for flash
- Small Push button flashlight