

The Role of Forensic Photography in Criminal Investigation and Trial

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Abstract: *Photography is one of the main crucial factors consider during investigation of scene of crime. Crime scene and evidence photography is crucial to investigate a crime scene and of birth in the 21st century round the world all respective friendship, scientist use high resolution camera lens, modern instruments, technology to capture crime scene photos. Evidence collection and capturing it's photograph and represent in court as vital evidence are benefits of modern photography. In this paper, we will consider the modern aspect of forensic photography in any criminal and civil cases investigation and how it maintains chain of custody.*

Keywords: Crimes scene, photography, Evidence collection, Court, Evidence, Chain of custody

1. Introduction

Forensic photography is also known as crime scene photography. Photography is also considered vital evidence in court of law. However, crime scene can be major evidence and link suspects to victims. Lockard's exchange principal works here that helps determining this relationship of evidences. Anything found at scene of crime are consider as physical evidence and this is why it is necessary to locate and document the evidence for further analysis. Moreover, for that photography was excellent way to capture and document the evidence with measurements. All forensic photography must consider three elements at crime scene. The subject, the scale, and reference object.

Different modern digital cameras and lenses are come into use to enhanced the photography. Nowadays, Drone photography became most widely used in countries like united states of America. Mainly, Drone camera used in outside crime. It help to capture entire scene and make sure every corner was recorded. We have three main categories of camera, they are camcorders, pocket camera, DSLR, DSLR are frequently used in criminal investigation and for personal use. This is because of its picture quality, versatility, interchangeable Lense.

1.1 Principal of Photography

- Securing the scene: After the crime has been established, the scene should be secured, and all the corner of the scene should be completely photograph and videography with measurement taps.
- Shooting the scene: Photography should take wide, median, small range so every evidence and scene come under it.
- Photographing the victims: while photographing the victim, investigators should consider the location, injuries and condition of victims should be highlighted.
- Photography of evidence: Every evidence should be photograph with natural light and alternate light sources such as laser, UV, VSC, infare light.

1.2 Evidence photography

This form of photography is to provide variety type of physical evidence and used as evidence in court of law. Typically, Photographs are also useful as part of record and to maintain entire chain of custody. Photographs should done under variety of altering light sources. Forensic laboratory generally used infrared light, UV light, X rays or laser radiation in addition to camera and microscope, to represent detail that would otherwise invisible by naked eyes.

- The evidence should be placed in clean and distraction free from unknown authorities.
- Even illumination. This can be achieved by placing the ALS at 45 degrees towards the evidence.
- The camera should be placed parallel to evidence at vertical angle of 90 degrees.
- Insuring to avoid shadow during the photography and put measurement scale during photograph.
- All side of evidence should be documented

1.3 Scene of crime photography

Photography is most crucial part in any criminal investigation when a crime happens, it may be theft, robbery, assault, kidnapping murder, etc. The photographs, documentation of evidence crime, scenic photograph for the investigations and present an argument in criminal justice system from the court, a crime scene, photography shall maintain the chain of custody and help investigator to reconstruct the scene if needed. moreover, crimes and photography help the investigator to represent each and every evidence in the court of law to support her opinion in the expert statement. Crime scene photography helps to understand the case to forensic investigator and reconstruction. The indoor crime scene indicates the inside of the house rooms, College office or anything between the four-wall prime is outside of the home or any open places and convince crime scene refers to a crime that occur in vehicle. Therefore, no single camera setting will work for all the crime scene. The photographer shall take photography before anything disturb. the first and foremost step during investigation is to take the photograph and video all crime scene photography or Forensic. Photograph consist of three basic type of photograph which are used by every Forensic photographer. In any cases that is overall mid-range and close up photograph to close a photograph with scale.

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Many shorts shall be taken from our all the same median shot photograph shall be done with the help of specialized lens and putting a measurement tab just side of the evidence. So, pick an estimate the size and the location of the evidence. Digital camera providing an easy zinc, quickly matter of recording image and provide variety of camera and employed to do so. Most of the technique used in Forensic field for analysis and identify by photography and photographic matter at the crime scene. Most of the camera equipment of Forensic photography used for capturing, micro and trace evidence. Most of the equipment present in the market of Forensic photography.

1.4 Importance of forensic photography in criminal investigation

The main objective of Forensic photography or a crime scene photography is to provide accurate evidence to the court of law to deliver the justice to victim. this is extremely important for helping crimes investigator to truly understand that what the crime scene looks like actually and if it is required to reconstruct then it will be great helpful to take the use of photographs and reconstruct the same as per the photography. So, help us to make this clear better camera photograph help investigator to take clear and high-quality image with a measurement. In case the investigation officer changes the new office and can appoint the particular case. Then he or she will be checking the old photographs and video which is her food understand them, once the case goes to trial better, photograph can be important as well and a judge can declare the punishment to the guilty person. apart from that digital camera has been enhanced and we can take a multiple photo shot speed light source so it is very easy to take the photograph of the evidence.

2. Conclusion

Forensic photography created permanent visual records of the crime scene and help us to navigate every evidence presented at the scene of crime. Apart from that it helps us to reconstruct the scene. Digital photography plays an important role in providing evidence heritage, potential, digital photography, make it highly beneficial. However, the computerized practitioner required a basic understanding of computer technology, basic understanding of camera lenses and focal points. Nowadays better advantages feature in digital photography is the ISO number date and timing focusing power high. Resolution quality et cetera. on the top of that photography consider has sent vital evidence in the court of law.

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