

# Photography in Crime Scene Investigations

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**Abstract:** The dimensions of the crime scene provide the basis for further classification. Based on this classification, multiple crime scenes form a single macro crime scene. For example, a bullet lodged in a person's body placed in an open area results in the body, the body wound, and the ground within the area forming a whole crime scene. The particular physical evidence categories identified at macro crime scenes are the primary focus of the micro classification of the scene. Using an earlier example, marks in the ground surrounding the human individual, bullet fragments surrounding the wound, and blood stains on the body serve as micro crime scenes. Vienna revealed the production of blood through blows around 1895. No one had created relevant scientific studies to demonstrate blood mechanics with such invention, methodological precision and thoroughness. He was quite knowledgeable about the scientific approach and how to apply it practically in the analysis of blood stain samples. Along with the evaluation of concrete evidence, the laboratory for forensics had to be responsible for all aspects of identification, collection and preserving it. An important step in any legal proceeding is to involve the police and various other investigators in the scientific investigation of the technical skills or investigation of crime scenes.

**Keyword:** crime scene, images, Evidence gathering, legal system, evidence, and chain of custody

## INTRODUCTION

Crime scene photography is another name for forensic photography. The art of photography is also considered important evidence in administrative cases. However, crime scenes can provide important evidence and link suspects to victims. Here, Lockard's exchange theory assists in figuring out how evidence relates to each other. Physical evidence includes anything discovered at a crime scene, which explains why it is important to find and record any evidence for later investigation. Also, taking measurements by camera was a great way to capture and record evidence. These three factors need to be taken into account in every forensic snapshot taken at a crime scene. Reference subject, subject, and scale. Various contemporary digital cameras as well as lenses are used to improve photography. These days, countries like the USA are where drone photography is most commonly used. Drone cameras are mainly used in

outdoor crimes. It is beneficial to record the entire scene and ensure that every angle is captured. There are currently three main types of cameras available: camcorders, pocket cameras, and DSLRs. DSLRs are commonly used for both private use and law enforcement purposes. This is due to its interchangeable lenses, adaptability, and image quality. The most important component of any criminal investigation, no matter what type of crime it is - robbery, assault, kidnapping, murder, etc. - is photography. Images for documenting evidence at the crime scene, beautiful photographs for investigations, and arguments presented by the court in the field of law enforcement are all used to protect the order of the case and help investigators reconstruct the scene when necessary. Additionally, crime and photographs assist the investigator in presenting every possible evidence in court to strengthen his expert declaration. Crime scene photography aids in the understanding of the case by restorers and forensic analysts. A credible crime scene is one that takes place in a moving object, additionally a normal crime scene is one that takes place inside a home, including a room, college office or whatever is within the four walls of a residence. As a result, no single camera configuration will be sufficient for every crime scene. The photographer will take photographs before anything gets in the way. Taking photographs and videos of all crime scenes, often known as forensic photography, is the most important and most crucial step in any investigation. All forensic photographers use three basic types of photographs. In all circumstances, it is a close-up and general midrange image to end up with a photograph with scale.

## LITERATURE REVIEW

Digital photography is often used during investigations for forensic forgery as well as piracy medical assessment forensic medical, crime scene investigation and other purposes. It has been almost 20 years since digital photography has been used in forensic investigations. The investigation process consists of four stages, which include collecting evidence, reviewing evidence, analyzing data and writing a report. The most important stage in collecting

evidence is to investigate the location of an incident to document what happened. Transcripts, photographs, video or sound recordings and scene sketches are some of the frequently used techniques of documentation used in crime scene investigations. Globally, the pattern of criminal investigations is changing due to the rapid development of digital technologies. More sophisticated technologies are being used in criminal investigations, such as 360-degree cameras, cameras with digital zoom, surveillance, drones, etc. The scope, strategies and approaches of legal investigations have expanded mainly due to the variety of digital technologies. According to reports, courts are more open to accepting digital evidence and do not require digital forensic resources, processes, as well as scientific confirmation. Accordingly, digital evidence has surpassed the importance of first-hand accounts. Digital imaging refers to technology that uses light to create photographs. Each sensor is made up of photo sites, which are light-sensitive diodes that convert the photons hitting them into an electrical signal depending on the intensity of the light. Considering the quality of the picture requires taking into account the following factors: exposure, angle, white balance, and above all the clarity of the image.

#### DISCUSSION

Investigations crime scenes requires the use of forensic photography. To give a correct and complete record of every kind of evidence collected from the crime scene, photography is required. If there is any mystery, it is easy to identify any evidence at the correct location. During the scene of the incident, photography takes place before any kind of investigation begins. Having photographs reduces the chances of mistakes being made, such as intentionally or unintentionally changing the location. In some scenarios, photographs help law enforcement to reconstruct the position of the criminal. Photographs collected from the scene can be used to reconstruct the crime scene and look for objects that were overlooked during the initial investigation, in situations where investigators get stuck during the investigation and are unable to return to that area. Photographic records contain evidence of the victim's injuries. Close-up photographs of the wounds will be taken. In addition, photographs, evidence, proof or footprints are also obtained. The easiest and most efficient way to show the crime scene to inspectors is through photographs and criminal sketches. Since photographs are of great importance as evidence for legal proceedings, all must be shot with

clarity and accuracy. A lot of photographs should be taken from the same location.

#### CONCLUSION

It is important that one meets specific requirements as photography is one of the few things that is used as evidence during legal prosecutions. First of all, photographs must be true, fair, and accurate depictions of the subjects they cover. Their reliability as evidence within the court may depend on its relevance if it is used to record concrete evidence from a crime scene investigation. "A written statement that includes substantial photo evidence can accurately represent photographic instruction and technique. The photo document may be considered as evidence in judicial procedures as it is an essential component of the record of a criminal investigation. Like other evidence, photography will not be considered admissible if it violates the Constitution, the Code of Criminal Procedure, other legislation, widely accepted terms of world law, as well as agreements concluded between nations, either in its entirety or in the way it was obtained. Photography created as a result of the use of special evidence measures such as covert surveillance and audio as well as video recordings, or the total use during supportive evidence tasks such as witness identification, will only be admissible for use in legal investigations when all relevant laws and rules of the Law on Criminal Procedure are followed.

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