

CASE STUDY



Using Amped Five to Enhance and Analyze Video Footage in Vandalism Investigation

Background:

Law enforcement officials were investigating a vandalism incident that occurred in the parking lot of a mall in the city. The perpetrators had damaged several cars before leaving the scene in a car, which was caught on camera. However, the license plate captured in the video footage was hazy and not easily legible, and the footage was captured from a distance, making it challenging to identify the perpetrators and gather concrete evidence. In such cases, the use of advanced video and image analysis tools has become increasingly important to enhance the quality of the footage and obtain clearer images of the evidence needed to bring the perpetrators to justice. Keeping up with the latest technological advancements is essential for law enforcement officials to effectively tackle crimes and bring perpetrators to justice.

Tool used:

- Amped FIVE

Challenges:

- Poor quality of the license plate image in the video footage, making it difficult to identify the perpetrators.
- Video footage captured from a distance, resulting in blurry and hazy images.

Results:

- Amped Five was able to enhance the license plate image, making it legible and leading to the identification of the perpetrators.
- The video footage was significantly improved, enabling law enforcement officials to apprehend the perpetrators and bring them to justice.

Challenges:

One of the main challenges the investigators faced was the poor quality of the license plate image captured in the video footage. As the license plate was crucial to identifying the perpetrators, the investigators needed a clear image to gather concrete evidence. However, the footage was captured from a distance, and the resulting hazy image made it even more difficult to distinguish the license plate details.

Solution:

The investigators sought the help of **Pelorus** Technical experts and used **Amped Five**, an all-in-one solution for image and video analysis. With over 130+ filters and tools to convert, process, enhance, analyze, show, and document photos, Amped Five was an ideal solution for video and image analysis. The experts used Amped Five to improve the quality of the video footage and make the license plate legible. They loaded the video clip into the software and applied various filters and tools, such as contrast enhancement, sharpening, and color correction, to improve the visibility of the license plate. Amped Five's Advanced Deblurring and Deconvolution filters were also used to reduce the blurriness of the video and sharpen the edges of the license plate. Additionally, Amped Five's Adaptive Light feature was used to adjust the brightness and contrast of the video to make the license plate more distinguishable.

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Result:

As a result of the utilization of Amped Five, the video clip underwent various processes to obtain a clear license plate. The visibility of the footage improved significantly, enabling law enforcement officials to apprehend the perpetrators of the vandalism incident. The perpetrators were identified and brought to justice, due to the concrete evidence gathered from the enhanced video footage. The successful outcome of the investigation highlights the potential of advanced video and image analysis tools in solving cases and providing justice to victims. The result emphasizes the essential role that technology plays in modern-day investigations and how it can positively impact the justice system.

Conclusion:

The video clip, after undergoing various processes in Amped Five, proved to be significant evidence in the case. The improved footage allowed law enforcement officials to apprehend the perpetrators and bring them to justice. The success of the investigation is a testament to the effectiveness of using advanced video and image analysis tools in law enforcement. This case study highlights the importance of utilizing sophisticated tools like Amped Five to improve the quality of the video footage and gather critical evidence. The use of such tools can help bring perpetrators to justice and provide closure to victims, and Pelorus Technical experts played a crucial role in making this possible.

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