

GEN¹

AI-GENERATED VIDEO DETECTION REPORT

Prediction: Fake, Confidence: 90.03%

Anomalous Frames



Visual Consistency

Examining the RGB frames, we observe natural outdoor lighting with shadows aligning consistently with the sun's direction. The textures on the cow and ground appear uniform; however, there is a slight unnatural smoothness that may suggest algorithmic enhancement. This can be an indicator of AI-generated content as real-world textures often contain more irregularities. The scene maintains overall consistency with a realistic setting, though the seamless appearance of boundaries between objects warrants scrutiny.

Motion Analysis

The optical flow frames reveal motion trajectories with distinct coloration indicating the direction and speed of movement. While the cow's motion appears to follow a natural path, the uniformity and smoothness in these patterns are atypical. Real-life optical flows usually exhibit more variability. The consistency between frames is maintained; however, there are minor artifacts at the object edges, such as slight blurring and discontinuities, suggesting interpolation errors typical in AI-generated sequences.

Technical Indicators

Several technical clues hint at potential AI involvement. The smooth lighting and texture diminish the realism expected in natural videos. A common giveaway in synthetic footage is the

lack of micro-movements that are difficult for algorithms to replicate accurately, reflected here in the overly coherent optical flow. Edge artifacts also suggest AI generation, often resulting from the compositing process during synthesis.

Overall Assessment

Combining visual and motion analyses, the video's classification as fake finds support in the subtle but telling signs of AI synthesis. While the scene bears realism, the technical inconsistencies align with known artifacts in synthetic video: smooth textures, uniform motion trajectories, and edge blurring. These characteristics, particularly when considered together, underscore the classification's validity with high confidence.