



Paul W. Jacobs

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Paul Jacobs Imaging
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Testifying expert specializing in daytime and nighttime visibility studies, photography and photo analysis, videography and video analysis, photogrammetry, and other forms of data capture.

Works in collaboration with counsel and subject-matter experts to fairly and accurately reconstruct incidents for fact finding, documentation and evidentiary purposes.

Produces demonstratives to aid in the understanding of events.

Areas of Specialization

Visibility Studies & Analysis- Daytime, nighttime and low-light visibility studies using photographic, video and metric data capture of controlled tests to document scene elements impacting visibility such as: lighting, contrast, glare, occlusions, conspicuity and anomalies. Analysis of resulting data and tests.

Photography & Analysis- Technical photography and documentation of scenes, inspections and tests using standard photography and specialized High Dynamic Range, Macro, Composite, Aerial and Rephotography techniques. Post-production of images. Image Analysis of existing photographs to authenticate, determine relevance and track changes over time.

Videography & Analysis- Video capture using static, walking, driving and fly-through platforms to capture dynamic scene elements related to time and motion. Enhancement and analysis of existing video from surveillance, dash, body and phone cameras, or other sources. Time, color, macroblock, hash, frame and pixel level analysis.

Mapping/Modeling- Distance and orientation documentation of elements using manual and technical methods of measurement, including: Scanning, EDM, Total Stations, GNSS (GPS), and terrestrial and aerial photomodeling. 2D and 3D drawings, diagrams and renderings prepared from field measurements.

Photogrammetry- Analysis of photographs to determine measurements using manual and computer aided techniques.

Audio- Recording and analysis of sound elements. Enhancement of audio files to aid intelligibility.

Dynamic & Vehicle Testing- Collection of data using RADAR, LiDAR, GPS tracking/logging, inertial measurement and force meters.

Related Experience

Paul Jacobs Imaging - Sacramento, 2008 - Present

- Commercial and forensic photography, videography, mapping and other technical services related to reconstruction of events for fact finding, documentation and demonstrative purposes. Collaborates with counsel and subject matter experts to fairly and accurately reconstruct events. Provides testimony in support of findings.

Global Blue DVBE - Rocklin, CA 2014 - 2016

- Project management and team leader. Technical photography and development of capture techniques for photogrammetric and 3d modeling systems integration.

Sacramento Police Department - Sacramento, CA 2000 - 2007

- Performed all duties of a sworn officer including patrol, interpretation and application of laws, criminal investigation, collision investigation, casualties, interview/interrogation, evidence collection and processing, and documentation of incidents. Provided testimony at hearings and trials.

Education

- Sonoma State University, 1993 to 1995
- Union Institute & University, Bachelor of Fine Arts, 2003
- Numerous courses, conferences, seminars and symposiums; on-the-job training, independent research and validation, and self-directed study in numerous fields related to the forensic sciences.

Certifications

- ACTAR #4836 - Accreditation Commission for Traffic Accident Reconstruction
- State of California POST Basic, Intermediate and Advanced Certificates
- State of California BSIS Licensed Private Investigator and Qualified Manager #PI187969
- Federal Aviation Administration UAS Remote Pilot Certificate #3998940
- State of California DGS Micro Business and Disabled Veterans Business Enterprise DVBE #1796183

Memberships

- Society of Forensic Engineers & Scientists - Full Member
- California Association of Accident Reconstruction Specialists - Member. Editor, 2018 - 2022
- National Association of Professional Accident Reconstruction Specialists - Member

Presentations

- Introductory and advanced technical presentations provided to numerous law firms, insurance companies, public and private sector forensic specialists.

Cases

- Accidents (car, truck, tractor trailer, farm machinery and implements of husbandry, bus, cargo, train, vessel, pedestrian, bicycle, motorcycle), Slip, Trip & Fall, Wrongful Death, Police Shootings, Property Damage, Defamation, Personal Injury, Criminal, Civil Rights, Maritime, Train, Product Misrepresentation, Construction Defect, Elder Care, Wildland Fire, Structure Fire, Obstructed View.

Clients

- State of California; Caltrans; Numerous counties and cities throughout California. Amtrak; Panish, Shea, Ravipudi; Cox Wooton; Matheny Sears; Dreyer Babich; McNamara Law; Numerous insurance companies: Liberty Mutual, State Farm, USAA, Nationwide, California Casualty and more.
- Approximately equal plaintiff and defense representations.