DSM

DXF

iWitnessPRO™ V4
Close Range Photogrammetry

Affordable and exceptionally easy-to-use photogrammetric software systems for fast, accurate and fully automatic 3D measurement and modelling from images recorded with consumer-grade and professional cameras, from terrestrial and UAV/drone platforms.

DSM

ORTHO IMAGE

- Automatic generation of high-resolution 3D point clouds, digital surface models (DSMs), textured meshes and ortho image mosaics of objects and scenes
- Fully automatic multi-image network orientation and 3D object point determination to sub-pixel accuracy, with and without targets
- Orientation can be totally independent of object point and GPS camera station data
- Automated 3D surface generation can be seamlessly supplemented with manual feature extraction
- Predictive, auto-assisted marking and referencing of control points in UAV/drone applications

iWitnessPRO *also displays all the attributes of the widely used iWitness software system:*

- *Exceptionally intuitive and simple to operate with any camera*
- *Fully automatic camera calibration, and on-the-job self-calibration*
- *Automatic, auto-assisted and manual image marking and referencing leading to high-accuracy, generally sub-pixel, XYZ coordinates*
- *Robust error detection through on-line, automatic data processing*
- *Best-fit geometry functions and flexible measurement of curves and lines for export to CAD*

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