

SceneCam® Solution



Complete Overview - as being on Site

- › **Unlimited view**
by full spherical images of 360° x 180°
- › **Highest visibility**
in various levels of light intensity
by high dynamic range imaging
- › **Best quality**
with 50 megapixels of full spherical
resolution
- › **Accurate localization**
with GPS and automatic timestamp
- › **Integrated 3D measurement**
- › **Mobile use**

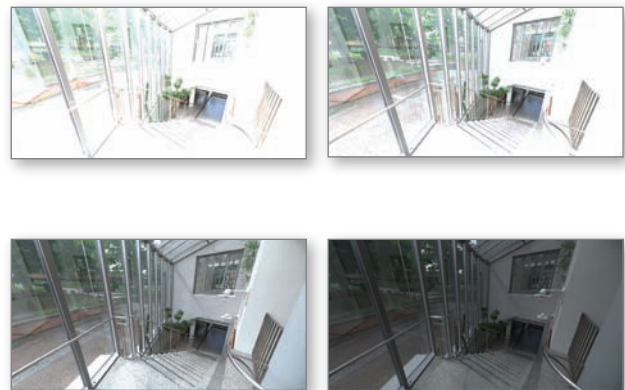


SceneCam® Solution

Full spherical imaging for objective documentations



3D Measurement



Example of various exposure stops; HDR generated.

SceneCam® Solution

Full spherical imaging for efficient and objective documentation in various areas of application.

Operation

The camera is operated from an intuitive touch-screen notebook, which attaches directly to the tripod. With one single rotation around its vertical axis the camera scans the complete scene from “floor to ceiling”, so that there is no detail missing.

HDR Imaging

High dynamic range imaging with the SceneCam® is first of all about capturing all levels of light in a scene: from the darkest shadows to the brightest sunlight, all in one single scan. Under- or overexposure of an image belong to the past.

3D Measurement

Knowing the measurement details of distances, sizes and spatial orientation within a scene are critical to most documentation purposes. The SceneCam® Solution enables on demand surveying of accurate 3D measurements, directly within the images.

GPS

Accurate documentation and traceability is achieved by integrated GPS and timestamping. These information details are displayed on every image.

Technical Details

Resolution	Maximum resolution of 50 megapixels (full spherical image).
Dynamic range	High dynamic range (HDR) imaging with up to 26 f-stops of dynamic range.
Optics	Fisheye lens (Nikon 16mm f/2.8D), individually calibrated for compensation of spherical distortion, vignetting and chromatic aberration.
3D Measurement	Tripod and SceneCam® are calibrated for 3D measurement and allow to take full spherical image pairs with known base distance (photogrammetry).
Tripod	Customized sturdy Gitzo tripod (G1500/ G1529 combination), for SceneCam®, notebook and accessories.
Camera operation	Panasonic Toughbook, shockproof to MIL-STD-810F, dust and water safe to IP54 standard with intuitive touchscreen for SceneCam® operation software.
Carrying cases	One robust and water proof transport Pellicase, takes camera, notebook and accessories. One sturdy tripod carry bag.
Operating time	SceneCam® operates more than 8 hours with one battery pack.

