

SceneCam® 2.0 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 100+ mega pixels of full spherical resolution
- > **Accurate localization**
with GPS and automatic timestamp
- > **Integrated 3D measurement**
on demand surveying of accurate 3D measurements
directly within the images



Full spherical imaging for objective documentations



Portable carry case



Quick release camera mount



Toughpad touchscreen and solo battery unit

SceneCam® Solution

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

Operation

The camera is operated from an intuitive touchscreen, 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, as well as 3d-pointclouds (using third party software).

GPS

Accurate documentation and traceability is achieved by integrated GPS and timestamping. These information details are stored in the image meta-data.

Technical Details

Resolution Resolution of 100+ mega pixels (full spherical image).

Dynamic range High dynamic range (HDR) imaging with up to 26 f-stops of dynamic range.

Optics Fisheye lense (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 (allows for photogrammetry).

Tripod Customized sturdy Gitzo tripod (GT5533LS/GS5311LGS combination), for SceneCam® with accessories.

Camera operation Panasonic ToughPad, shockproof to MIL-STD-810G, dust and water resistant to IP65 standard with intuitive touchscreen for SceneCam® operation software.

Carrying cases One robust and water proof transport Pelicase, takes camera, touchscreen and accessories. One sturdy tripod carry bag.

Operating time SceneCam® operates more than 16 hours with one battery pack.

