



Certified
Metrology Partner



ARAMIS 3D Camera 12M

Optical 3D Sensor for Quasi Static Testing Applications

ARAMIS 3D Camera 12M is suitable for measuring strains, displacements, and deformation during quasi static tests. Thanks to the scalable non-contact measurement technique, the optical 3D sensor can be configured to measure small material specimen up to large structural parts. With a resolution of 12 megapixels and a maximum frame rate of 25 frames per second (25 fps) at full resolution, the sensor offers the right performance to reliably determine material parameters or to capture and evaluate bending tests on aircraft wings for example.



Benefits at a glance

- Out-of-the-box ready to use
- Time savings in the preparation of physical tests
- Multi-sensor: optical LVDT, optical accelerometer and optical strain gage and extensometer
- Short set-up times thanks to pre-configured measurement lenses
- Tactile measurement of geometries and features with the optically tracked Touch Probe

Specifications

- 25 frames per second (25 fps) at full camera resolution (12 Megapixel)
- 5 image acquisition modes
- High sensor stability, low calibration effort
- Easy handling and operation
- High-resolution optical measurement system for analyzing strains, displacements, and deformation during quasi-static tests

Technical Data

Camera resolution (pixels)	4096 × 3000 pixels
Maximum frame rate (fps)	25 fps at 4096 × 3000 pixels (full resolution) 43 fps at 2496 × 2096 pixels (5M) 75 fps at 4096 × 1000 pixels (1/3 image) 100 fps with a lower resolution (binning) 150 fps at 4096 × 500 pixels (1/6 image)
Measurement volume Length × Width (mm)	35 × 25 mm up to 5000 × 4000 mm

Would you like to learn more?

Contact