



Dolphicam2 is a revolutionary platform for ultrasound NDT. The system supports a wide range of high-resolution imaging transducers for multimaterial inspections.

The unique transducer technology and high performance design creates high-resolution ultrasound images of suspected damage areas. It helps manufacturing- and service personnel to perform effective and reliable NDT to verify the status of the material.

The impressive performance of the system produce **real-time live** images. This gives an improved user experience and high Probability of Detection. **Live streaming of full matrix datasets** opens, among other things, for advanced post processing and Total Focusing, reducing minimum defect detectability to 1/10 mm in some cases!

Through our FTD (Flexible Transducer Development) process, we customize transducers based on specific customer materials and other requirements. New transducers, in combination with optimized signal processing, ultrasound techniques and modified user interfaces can be delivered in weeks.

The Dolphicam2 can be ordered as a turnkey system with a Panasonic Toughpad Windows tablet. The system supports 1 or 2 simultaneous transducers, 1-2 encoders, Ethernet, GPIO, Wi-Fi and Bluetooth. An open and well documented API together with open file formats enable 3rd parties to control the Dolphicam2 and access live images and datasets for further analysis.

Dolphitech technology is accepted by leading customers in the automotive and aerospace industries, including Airbus, Boeing, Audi and Lamborghini.

DolphiTech AS provides ultrasound NDT systems for advanced multimaterial structures. The company develops unique technology created by a team of experts in ultrasound, analogue and digital electronics.

Specifications

- High resolution images
- Real-time dataset streaming
- 16.000 transducer elements
- 0.5 - 15 MHz transducers
- Dry /customized coupling
- 2D and 3D images
- A-, B-, and C-scans
- Amplitude & Time of flight
- Large area stitching
- "Traffic light" color palettes
- Highly configurable settings
- Compact and ergonomic
- Small transducer footprint
- Large internal battery
- Runs on Windows PC
- IP 66 protection
- 1 or 2 transducers
- 2 encoder ports
- GPIO ports
- Ethernet
- Optional Wi-Fi, Bluetooth
- Open API for integrators
- HDF5 file format

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