

Dolphicam is a mobile and ergonomic ultrasound camera system designed for NDT inspection of CFRP (Carbon Fiber Reinforced Plastics) up to 16mm thickness. A unique transducer technology with high performance signaling electronics creates high-resolution 2D and 3D images of suspected damage areas to verify the status of the material, and helps manufacturing- and service personnel to perform effective QA and to develop the best repair strategy for a damage.



DRY COUPLING TRANSDUCER

The silicone based 124x124 (nearly 16.000) element transducer enables dry coupling on painted or shiny surfaces. It can also be used with water or contact gel on rougher surfaces.

SMALL CAMERA, ADVANCED FEATURES

Dolphicam connects to a standard Windows PC or Tablet through the USB port, and makes the system very portable and flexible. The DolphiCam software creates A-, B- and C-scan images of very high quality. The system supports both Amplitude and Time-of-Flight modes.

By adjusting pulse and gate settings, color thresholds and other camera settings, material defects are easily identified. We also added an effective Manual Stitching Mode to ease large-area inspections. Camera settings are easily stored and retrieved for quick camera configuration.

EVEN 3D IMAGES

The Dolphicam 3D viewer creates crystal-clear images of material defects, and makes it easy to perform a defect analysis and to develop optimal repair strategies. The 3D image can be zoomed, panned and rotated.

NDT FOR EXPERTS AND OPERATORS

The Dolphicam comes in two versions; Dolphicam Expert Cameras are optimized for NDT engineers and experts that want advanced features and detailed control over all camera settings.

DolphiCam Operator Cameras are perfect for inspectors that regularly performs NDT jobs but do not need advanced features, and they are used as inspector cameras in our DolphiTech TeamCenter system.

In Teamcenter, the Expert creates inspection procedures that embeds DolphiCam functionality. Field Inspectors simply follow the Expert guidance, and are able to perform high quality NDT, saving organizations both time and money. True scalable NDT is available today!

Dolphicam CF16

- High resolution images
- 16.000 transducer elements
- CFRP up to 8mm thickness
- Dry coupling
- 2D and 3D images
- A-, B-, and C-scans
- Amplitude & Time of flight
- Stitching mode
- “Traffic light” color palette
- Highly configurable settings
- Compact and ergonomic
- Large internal battery
- Easily operated by non-experts
- Designed for Windows (7 or newer).
- Runs on PCs, laptops or tablets
- Accepted by leading companies in the aerospace and automotive industry

