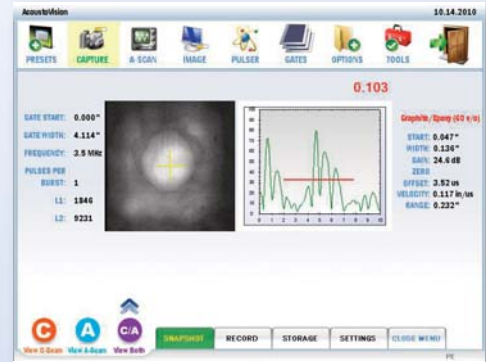




ACOUSTOCAM SERIES™

The sole worldwide provider of
ULTRASOUND IMAGING CAMERAS



AcoustoVision™ GUI
Real-time C- and A-Scan viewing

Target Industries

- Commercial & Military Aerospace
- Petrochemical
- OEM Manufacturers
- Automotive
- Marine & Underwater

Typical Materials

- Carbon Fiber Composite
- Aluminum
- Plastics & Fiberglass
- Metals
- Multi-layer Laminates
- Honeycomb Core

Manufacturer's of the **ACOUSTOCAM™**

C-Scan Imaging

Field of View: 1.0 Sq. Inch instantaneous
 Imaging ASIC: Patented DAV Version 6.0
 Array Elements: 120 x 120 (14K Pixels)
 Pixel Size: 100 Micron
 Acoustic Lens: 2 Elements Adjustable F/1
 Video Rate: 30 Frames/ Second
 Output Format: Rs170
 Spatial Resolution x,y Plane: 0.7mm or 600 microns @ 5MHz
 Dynamic Range: 70dB Instantaneous
 X,Y Size of Defect: Visual Grid and Point-to-Point "Freeze" Sizing Options
 Images Captured: up to 16Gbs
 Image Types: JPEG, MPEG-3
 Gate Function: Full Range, 10nsec/0,01mm increments
 Mode: Pulse-echo only
 C-scan & A-scan Match Gate: Yes

Systems Architecture

Internal Memory: 500Mb, 2Gb Flash
 Operating System: MS-Windows XP
 Processor: Intel Pentium M 1.6 Ghz
 Application Software: AcoustoVision™ Touch Screen GUI
 Output: VGA 600H x 800 TFT LCD
 Ethernet: (1) 100BaseT
 Wireless: 802.11b
 USB: (2) 2.0 Ports
Pulser
 Pulses Per Burst: Square Wave 1 to 20
 Pulser Voltage: Continuous up to 800 Volts
 Pulse Repetition Frequency: 250Hz
 Pulser Rise Time: <15nsec
 A-scan Rectification: None, Full, Half
 Acoustic Velocity: Stored, Edit Library of Materials
 Software Adjustable 1 to 8MHz
 Transducers: 1.00, 2.25, 3.50, 5.00 and 7.50 MHz

Power & Physical Environment

AC Operation: 110 / 240 VAC, 50/60Hz
 Controller: 9.7"H x 4.5"D
 Controller Weight: 4Lbs (18Kg)
 LCD Screen: 6.75"W x 5.25"H, 8.5"Diagonal Screen
 i600 Camera: 1.25Lbs (0.6Kg)
 Cable Length: Std. 8ft. / 244 m, customize to 20ft./6.1m
 Water Resistant: Yes

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