ANV MEASUREMENT SYSTEMS

SALES • HIRE • CALIBRATION

UKAS accredited calibration facility, see UKAS website for scope of UKAS accredited calibrations offered:- **www.goo.gl/9kVpY3**

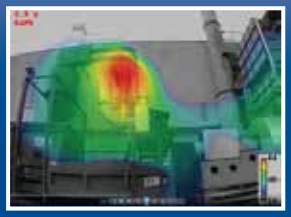
UKAS CALIBRATION 0653

SIG Acoustic Camera

Acoustic Cameras can be used to identify the location of stationary and/or mobile noise sources.

Acoustic Cameras have two advantages over Acoustic Intensity techniques. Firstly, Acoustic Cameras can be used on moving noise sources (as well as stationary sources). Secondly, with an acoustic camera, the results are available immediately and dynamically.

Acoustic Cameras enable you to see where sound is coming from by superimposing colours on live video.



The Signal Interface Group

Most consultants/test and measurement engineers who have seen Acoustic Cameras have been impressed. Until now, however, the available Acoustic Cameras have been staggeringly expensive. The typical response to an Acoustic Camera demonstration has been "that's great but I couldn't possibly justify that sort of expenditure".

The Signal Interface Group (SIG) Acoustic Camera is a breakthrough in this respect.

A Mass Market Product

Based in the USA, SIG have developed an Acoustic Camera which is available for a fraction of the cost of those manufactured by European manufacturers. They have been able to do this by designing their Acoustic Camera as a mass market product from the start.

But the advantages of the SIG Acoustic Camera System are not limited to cost.

The SIG Acoustic Camera is supplied with Optinav BeamformX software which eliminates side lobes and compared to conventional beamforming software:

- Is faster
- Has a better dynamic range
- Has a better temporal and special resolution

The SIG Acoustic Camera is also uniquely well-suited to sitework because it is:

- Small, light and portable
- Powered from a standard USB socket (just plug into a laptop, no separate power supply required)
- Easy to use

The SIG Acoustic Camera allows any consultancy or test and measurement team to add this powerful technique at a price that is easy to justify – and hard to resist.

Specifications

- Displays acoustic camera images in real time
- Spectrogram and FFT displays
- Acoustic Camera, Spectrogram and FFT can be displayed simultaneously
- Images can be stored as mp4 files to share with team members/stakeholders
- Raw data can also be stored for post-processing
- 40 x 24 bit MEMS microphone array
- 5 Mp optical camera
- Programmable sample rate 12.5 – 50 kHz with on-board anti-aliasing filters
- Data communications and power via USB 2.0 interface
- Data buffered within the ACAM 100 to ensure gap-free data
- FFTs calculated continuously within the ACAM 100 (programmable block size 54 – 2048 samples)
- The ACAM 100 array is 40 cm x 40 cm and weighs 3 kg
- Operating temperature 0 - 50°C
- Microphone frequency response 60 Hz – 15 kHz ± 3 dB
- Maximum SPL 112 dB
- 64 bit Windows 7, 8.1 and 10 Compatible
- Minimum PC spec 4th generation Intel Core i5 (or equivalent) with 8 GB of DRAM
- SIG recommend SSDs for use with the SIG Acoustic Camera