

# Digital Real-Time Integrated Hardware



The powerful data acquisition hardware is integrated into the acoustic camera hub and is robust and lightweight. The onboard real-time processor and FPGA guarantee the highest accuracy of the measured data. By synchronizing frontends the system can be extended to more than 1000 channels. Furthermore it can record the RPM of a rotating system. A trigger channel can be used to start the measurement with an external signal.

The frontend streams the acquired data of the microphones and the camera through high speed ethernet in real-time to the host computer.

## Features

- Lightweight
- Robust
- Expandable
- Trigger channel
- RPM channel
- Battery option
- Fanless
- Low power consumption
- Synchronized multi chassis applications
- Up to more than 1000 microphone channels

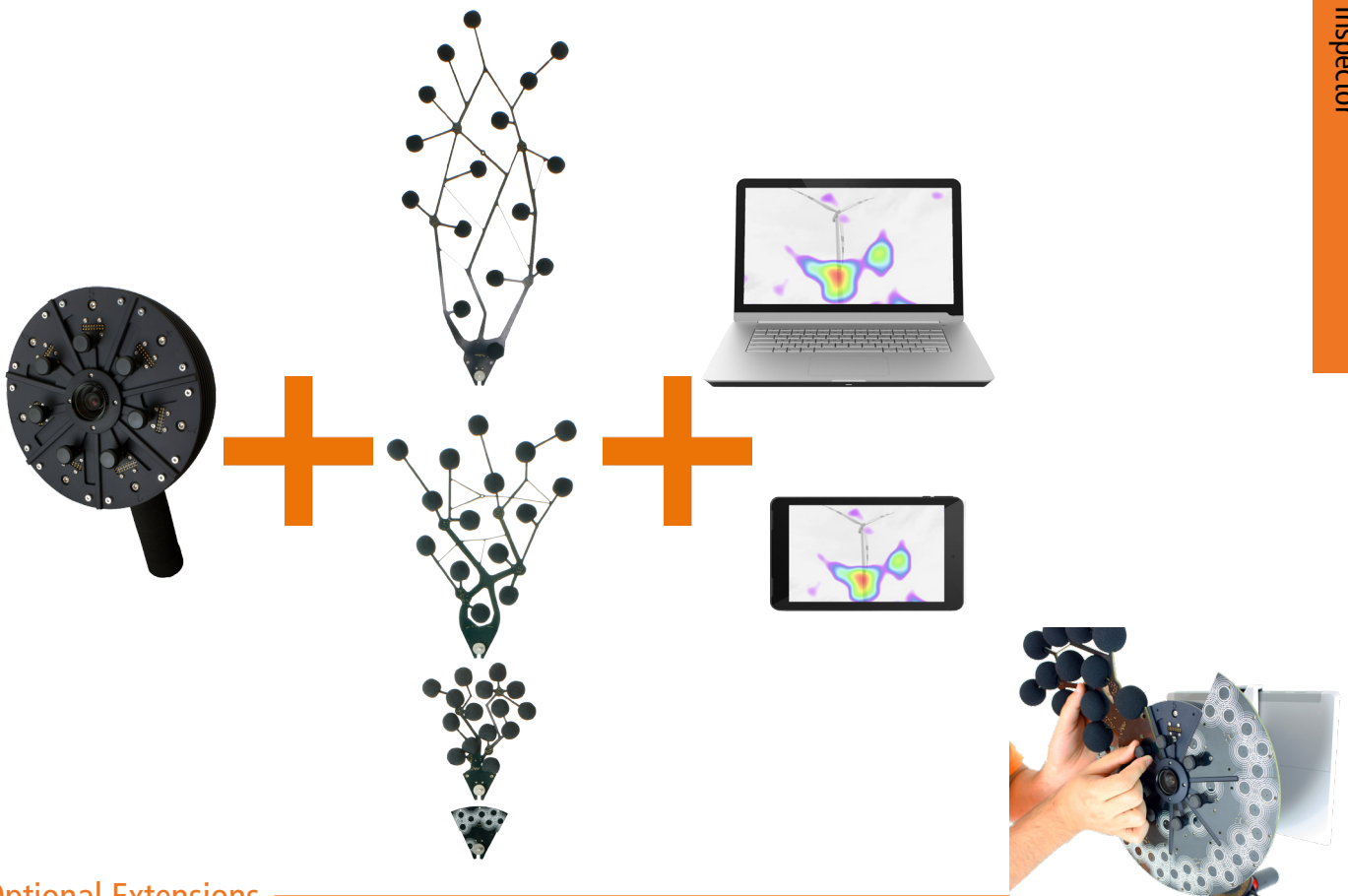
### Hub-Frontend

Channels	112
Sample rate	48 kHz
Resolution	24 bits
Simultaneous sampling	Yes
Interface to PC	Ethernet
Fanless	Yes
Additional inputs	Trigger, Tacho (RPM)
Battery option	Yes
Power supply	12 V DC
Power consumption	< 14 W
Dimension	180 x 180 x 100mm
Weight	2,2 kg

# Modular Design

The Noise Inspector is a new generation of acoustic cameras. The unique modular acoustic camera system makes it an optimal solution. Besides it is possible to expand the acoustic camera with an additional microphone array to open up new fields of application. For very fast troubleshooting an upgrade with an intensity array or an acoustic compass (3D acoustic intensity probe) offers you a high performance acoustic camera for every application. The IEPE Breakout Box offers you a connection to the analog world.

Take your choice



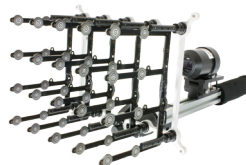
Optional Extensions



IEPE Breakout Box



Acoustic Compass



Intensity Array