

# ***The AC100 Acoustic Camera***

## ***- compact - mobile - robust -***



## ***See what you hear: with the AC100 Acoustic Camera***

*The AC100 is a compact and easy to use acoustic camera for sound source detection. Connect the AC100 camera with your PC using the USB cable, install and start the BeamformX software and make your measurements and analyzes.*

*Due to its high performance, simple operation and low price, the AC100 is perfect for many applications in research and production.*

*BeamformX is an innovative new high-performance Beamforming algorithm.*



### ***Key features of the AC100:***

<b><i>Array dimensions</i></b>	<b><i>40 x 40 x 3 cm</i></b>
<b><i>Microphones</i></b>	<b><i>40 x MEMS microphones</i></b>
<b><i>AD converter</i></b>	<b><i>24 Bit ADC</i></b>
<b><i>Sample rate</i></b>	<b><i>51.2 kHz, or decimation</i></b>
<b><i>Anti alias filter</i></b>	<b><i>yes, internal digital filter</i></b>
<b><i>Frequency span</i></b>	<b><i>200 Hz ... 25 kHz</i></b>
<b><i>Maximum level</i></b>	<b><i>120 dB</i></b>
<b><i>Dynamic range</i></b>	<b><i>&gt;30 dB (5 kHz ... 20 kHz)</i></b>
<b><i>Working distance</i></b>	<b><i>0.1 m ... infinite</i></b>
<b><i>DSP system</i></b>	<b><i>integrated in the array</i></b>
<b><i>Interface</i></b>	<b><i>USB 2.0 (data, power)</i></b>
<b><i>Optical camera</i></b>	<b><i>5 megapixel camera</i></b>
<b><i>Mounting support</i></b>	<b><i>tripod screw 3/8"</i></b>
<b><i>Handles</i></b>	<b><i>2 detachable grips</i></b>
<b><i>Recommended PC</i></b>	<b><i>Intel i5 with Win7, 64 Bit</i></b>
<b><i>Software</i></b>	<b><i>BeamformX for Windows</i></b> <b><i>(real-time or post process)</i></b>