

# Array Star 36

## 36 channel measurement system for long distances and low frequencies



The star-shaped array with 36 measurement channels has been designed for measurements over longer distances. This design offers a good compromise between low HF aliasing, high LF contrast and easy handling.

Due to the folding configuration, the entire system can be easily transported in a standard station wagon.

The array comprises a USB camera. Acoustic images can be acquired within seconds. The patented construction guarantees a maximum backward attenuation, which is a prerequisite for measurements in environments that are not disturbance-free.

The microphones are connected to the data-recording device via the MicBus connector system. The system can be set up very quickly.

The included 3 m tripod is fitted with a 3 way head, and allows for a setup at the optimum angle. The system can be easily and instantly calibrated on location using a test



sound generator (so-called "clicker").

### Characteristics

- USB camera (up to 1280 x 1024), fix focus lens
- Mapping from 100 Hz...7 kHz (> 6dB)
- Typical measurement distances 3...300 m
- Length 2 m (when folded)
- Weight ca. 10 kg
- Backward attenuation up to -21 dB
- MicBus microphone connectors
- Dynamic range of microphones 35...130 dB, 30 Hz...20 kHz (50 kHz)

### Components

- Array mounted on camera quick release plate
- 3 m tripod with 3 way head and bag
- Protective transport cover available on request