

The CAPsure is a high performance tactical Covert Audio Pinpointing microphone array designed for spatial audio capture. The CAPsure is ideal for remote audio acquisition and speech enhancement in noisy environments.

The system is controlled through a userfriendly interface where an operator can zoom-in on any one sound or conversation in much the same way a video camera zooms in on a picture. The system continuously records the audio to allow for both live and playback audio pinpointing. The size and shape of the array allows for a large variety of concealment methods.

#### Features:

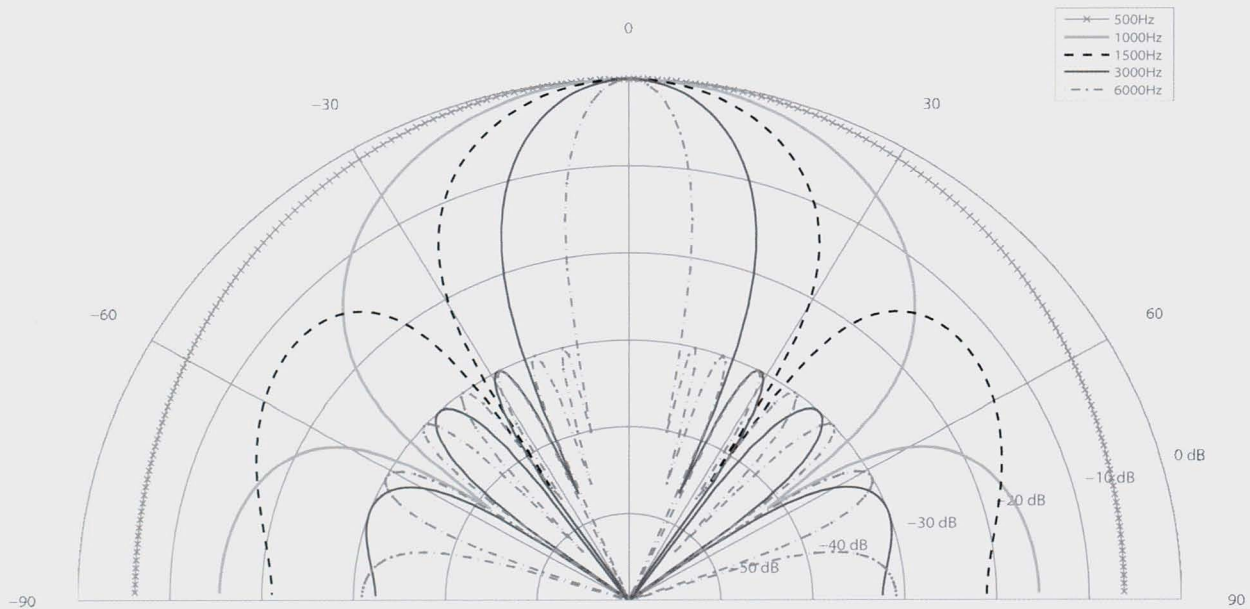
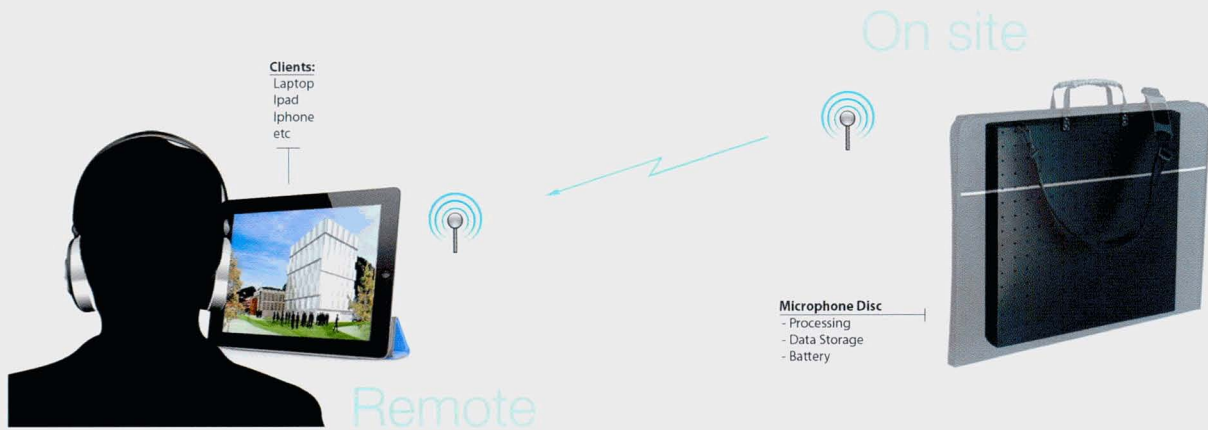
- **Zoom in on audio in real-time or playback**
  - Amplify sound or conversation of interest
  - Suppress unwanted noise
- **Steerable remotely without moving parts**
- **Full functionality in replay**
- **Go back in time and zoom in on areas of interest**
- **Operator-free mode**
  - Deploy the self-contained array in advance
  - Pre-schedule recording
  - Retrieve the array after the event
  - Zoom in on target sound sources

- **Simple user interface**

- One or more operators control one or multiple units
- Wired or wireless connection (with or without encryption)
- Operated from laptops, iPads, cellphones etc.
- Live video from built-in camera
- Place the marker onto the target in the on-screen view and listen
- Simple access to preprogrammed audio enhancement filters
- Start & stop recordings
- Full browse and replay ability for recorded files

#### Specifications

Material	Lightweight composite carbon fiber chassis
Dimensions	414 x 414 x 35 mm / 16.3 x 16.3 x 1.37 inch
Weight	3.5 kg / 7.7 lbs
Microphones	256 MEMS microphones with 4th order delta-sigma
Input voltage	8 to 14 VDC
Power consumption	12 W
SNR Single Mic	61 dB
Array (System)	84 dB
Frequency response	
Single Mic (flat)	100 Hz to 15 kHz
Array (spatial)	500 Hz to 8 kHz (ref. plot below)
Sensitivity	
Single Mic	-26 +/- 3dBFS/Pa @ 1 kHz 94 dB SPL
Array	Not applicable



The plot shows the directivity for the CAPsure in the frequency band 500 – 6000 Hz