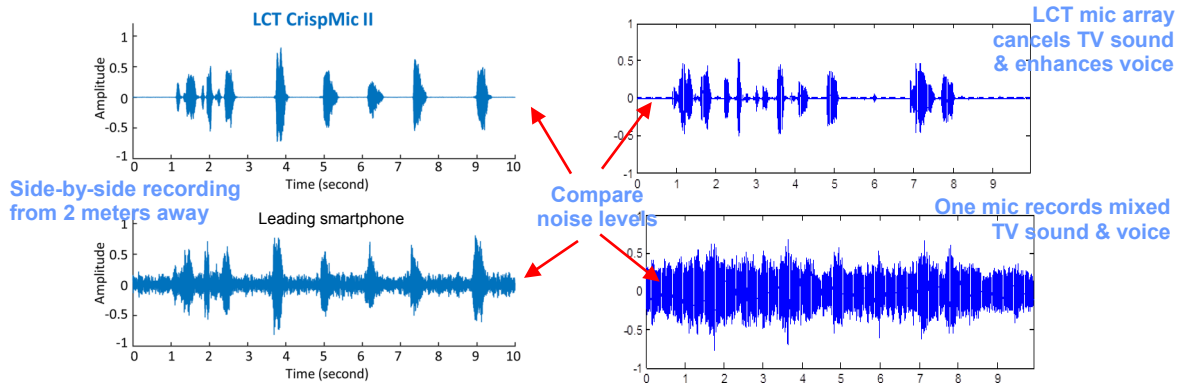
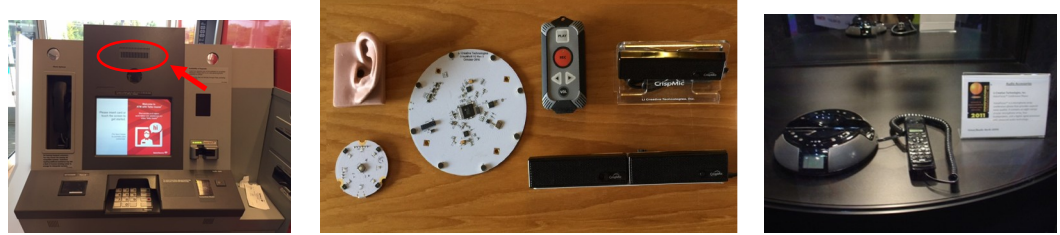


Intelligent, Far-Field Microphone Arrays

Headquarters

Li Creative Technologies, Inc.
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USA



Applications:

- Smartphones
- Echo-like devices
- IoT voice control
- Recognize different voices
- Information query
- Voice search
- Wakeup
- Speech recognition
- Speakerphone
- Far-field recording
- Car noise reduction

Technologies:

- Far-field sound capture
- Dynamic beam forming
- Adaptive noise reduction
- Sound source localization
- Noise cancellation
- Acoustic echo cancellation
- Speaker recognition
- Sensitive MEMS digital microphone

Audio Demos:

www.licreative.com/demos

Description

Li Creative Technologies (LCT) has developed intelligent, far-field microphone arrays for smartphones, echo-like devices, and IoT applications that require up to 5 meters of far-field voice capture, control or query. Our advanced auditory-based, AI, and DSP algorithms suppress background noise, enhance speech intelligibility, and improve recognition accuracy.

Products & Services

- One-stop solution for all far-field mic array, acoustic, wakeup, and robust ASR needs.
- Real-time embedded software, PCB with pre-installed software, algorithm optimization, microphone array design, product customization, and/or support.

Specifications

- **Design:** 2, 4, 8, or 16 sensor; linear, circular, or custom microphone array.
- **Microphones:** Highly sensitive, MEMS digital microphones, up to 5 meters.
- **Algorithms:** Dynamic beam forming, wakeup, embedded ASR, adaptive noise reduction, sound source localization, acoustic echo cancellation (AEC), TV sound cancellation with or without AEC, wind noise reduction, and speaker and speech recognition.
- **Software:** Pre-loaded, real-time, port to any processor.
- **Sound capture:** Front or 360-degree dynamic, mono or stereo.
- **ASR accuracy:** >95% at 4 meters away with background noise.
- **Array dimensions:** 0.5~12 cm diameter, 10~20 cm linear, or special design for customer decides.
- **LED:** 8-surface mounted circular LED's to indicate sound source directions

Company

Li Creative Technologies (LCT), Inc., located in Florham Park, New Jersey, USA, is an innovator in microphone array, speech, and biometric solutions. Established in 2002 by former Bell Labs scientists. LCT's audio technology mimics the human ears and brain to enhance artificial intelligence. LCT has developed microphone array products for the consumer electronics, enterprise, and government markets, including the CrispMic™ and VoiceFocus™.