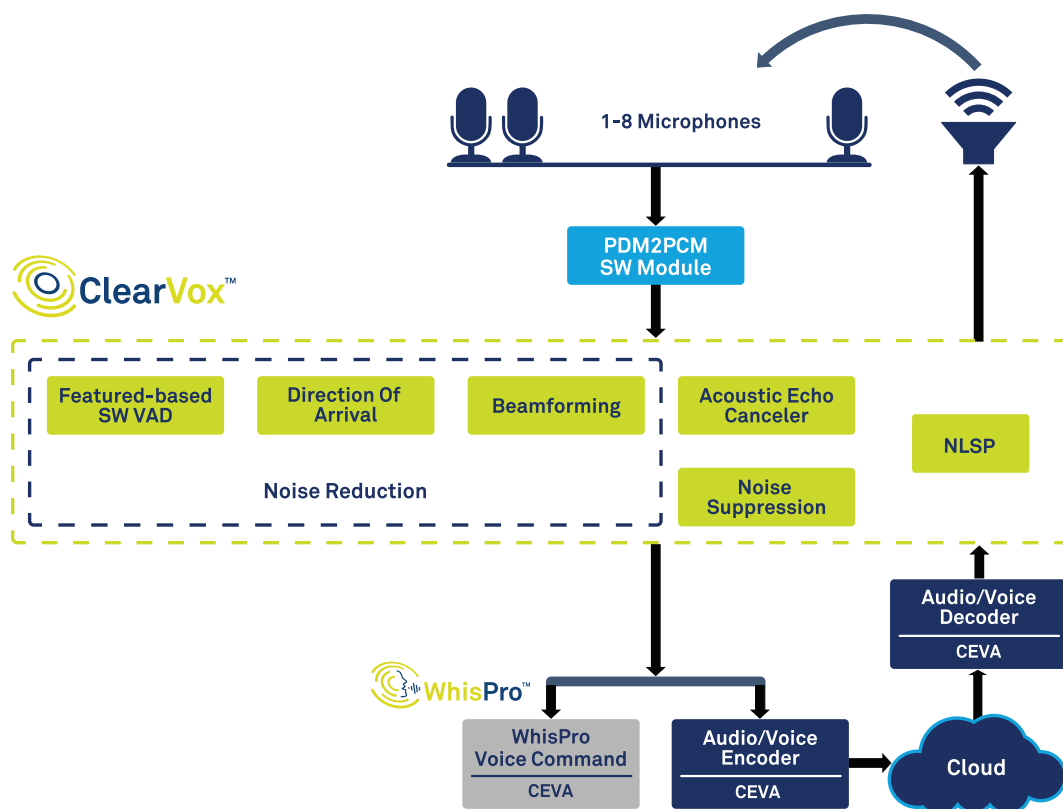


# Far-Field Voice Controlled Smart Speaker Reference Design

➤ **Powered by CEVA ClearVox front-end voice processing and WhisPro speech recognition SDK on a CEVA DSP**

- ClearVox provides direction of arrival, beamforming, noise reduction and acoustic echo cancellation
- WhisPro speech recognition provides voice activation during music playback (barge-in)
- Fully integrated multi-mic smart-speaker reference platform



➤ **ClearVox software suite is available in two packages:**

- ClearVox Universal- targeted for smarthome, wearables and automotive applications
- ClearVox Headset - optimized for headset applications