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INDUSTRIAL PRODUCT DATASHEET

reSpeaker XMOS XVF3000 - AI-powered 4-Mic Array

The reSpeaker XMOS XVF3000 - AI-powered 4-Mic Array combines a four-microphone far-field array, USB audio, programmable LEDs, and advanced speech algorithms for intelligent voice interface scenarios.

SKU	UPDATED	PRICE
107990053	2026-10-23 03:27:17	$64.00(Excl. VAT)



Overview



The reSpeaker XMOS XVF3000 - AI-powered 4-Mic Array delivers far-field voice capture with a four-microphone array, USB Audio Class 1.0 (UAC 1.0), and 12 programmable RGB LED indicators. It supports speech algorithms including Voice Activity Detection, Direction of Arrival, beamforming, noise suppression, de-reverberation, and acoustic echo cancellation for applications such as smart speakers, intelligent voice assistants, voice recorders, voice conferencing systems, and voice interacting robots.

Key Features

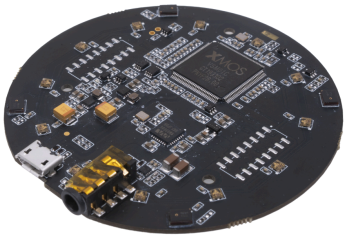
Explore the full reSpeaker lineup. Compare specs, find your ideal fit, and catch the latest updates & community news. Check the reSpeaker Series Landing Page

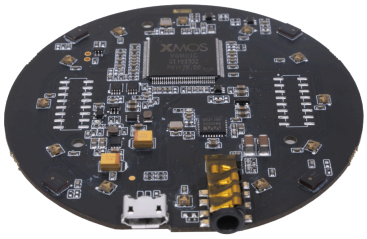
Product Upgrade: Check out the new [reSpeaker XVF3800] with improved far-field voice capture and advanced audio processing at a LOWER price!

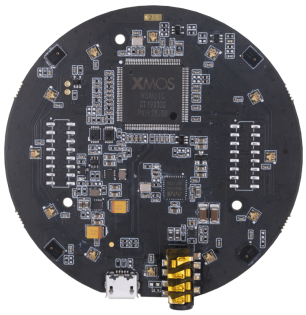
reSpeaker XVF3800 is a professional circular 4-microphone array based on **XMOS XVF3800**, enabling clear target voice capture in noisy environments. Features dual modes (I2S/USB), 360° far-field voice pickup (up to 5m), on-board AI acoustic algorithms (AEC, AGC, DoA, VAD, dereverberation, beamforming, and noise suppression).

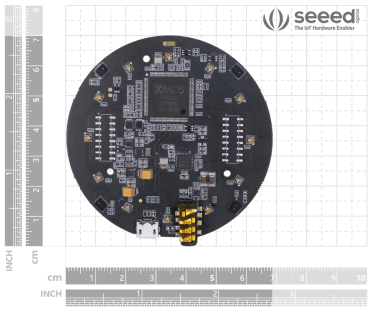
- Far-field voice capture
- Support USB Audio Class 1.0 (UAC 1.0)
- Four microphones array
- 12 programmable RGB LED indicators
- Speech algorithms and features
  - Voice Activity Detection
  - Direction of Arrival
  - Beamforming
  - Noise Suppression
  - De-reverberation
  - Acoustic Echo Cancellation

Product Gallery





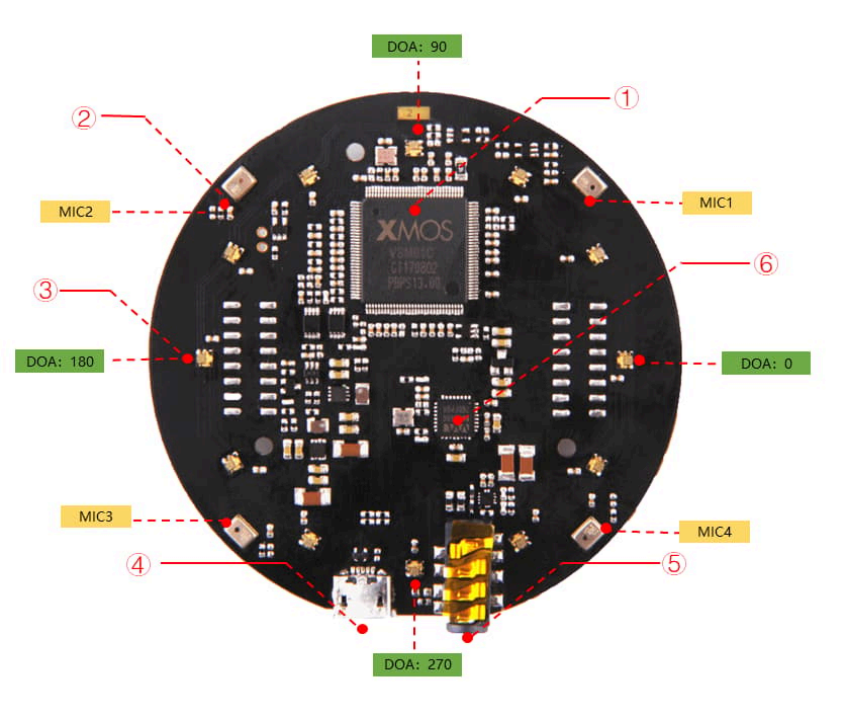


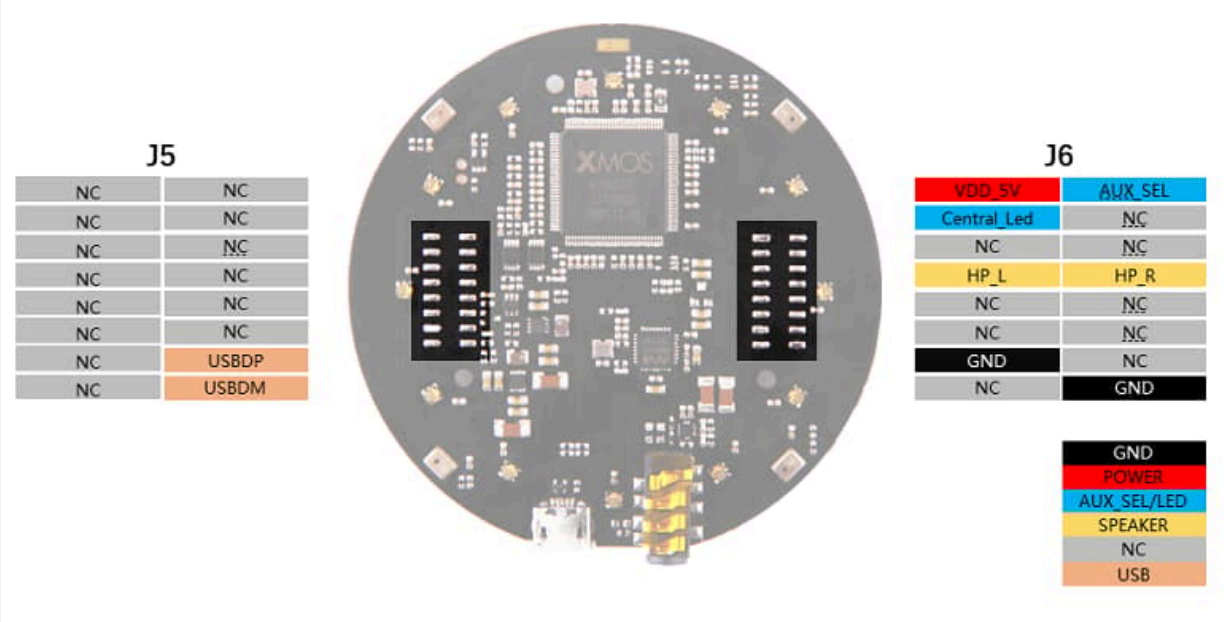


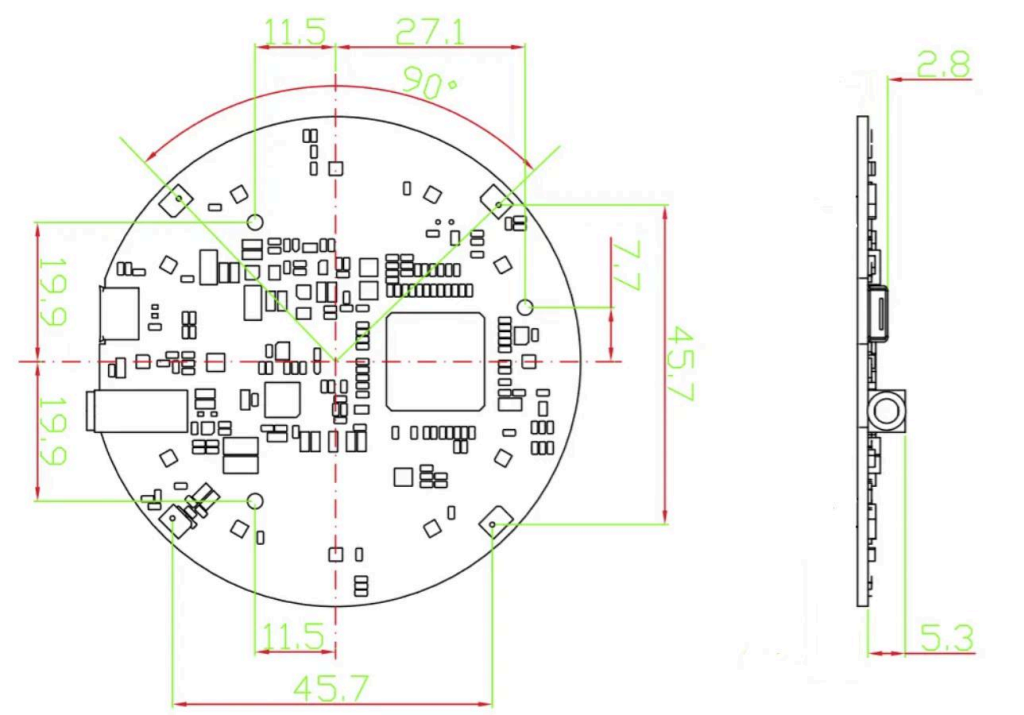
Specification

Dimensions	70mm x70mm x13.3mm
Weight	G.W 70g
Sensitivity	-26 dBFS (Omnidirectional)
Acoustic overload point	120 dBSPL
SNR	61 dB
Power Supply	5V DC from Micro USB or expansion header
Power consumption	5V, 180mA with led on and 170mA with led off
Max Sample Rate	16Khz

Hardware Overview







Applications

- **Speech algorithms and features**
- **USB Voice Capture**
- **Smart Speaker**
- **Intelligent Voice Assistant Systems**
- **Voice Recorders**
- **Voice Conferencing System**
- **Meeting Communicating Equipment**
- **Voice Interacting Robot**
- **Car Voice Assistant**
- **Other Voice Interface Scenarios**

Part List

reSpeaker Mic Array v3.0	x1

Compliance & Logistics



HSCODE	8518900090
USHSCODE	8518902000
UPC	841454120278
EUHSCODE	8517180000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/ReSpeaker-Mic-Array-v3-0.html
- reSpeaker Series Flyer
- reSpeaker XVF3000 4-Mic Array Schematic
- reSpeaker XVF3000 4-Mic Array Product Brief
- reSpeaker XVF3000 4-Mic Array 3D Model
- reSpeaker XVF3000 4-Mic Array 3D Model
- reSpeaker XVF3000 4-Mic Array 3D Model
- reSpeaker XVF3000 4-Mic Array Product Brief
- reSpeaker XVF3000 4-Mic Array Datasheet
- reSpeaker XVF3000 4-Mic Array with ROS (Robot Operating System) Middleware

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