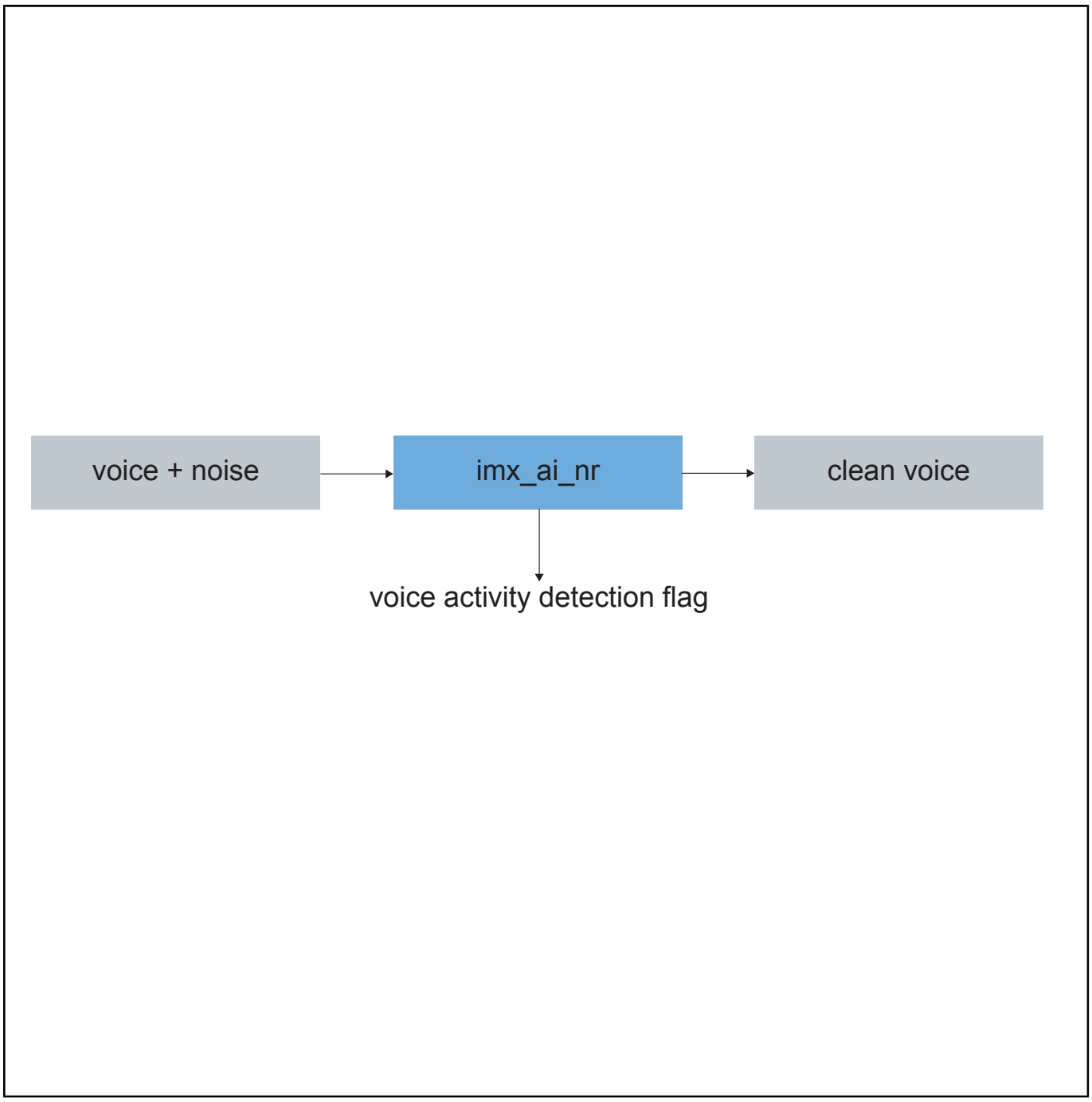
AI Noise Reduction Software for Voice Applications

AI-NR

Last Updated: Jan 15, 2026

This deep learning-based algorithm effectively suppresses noise in speech signals while maintaining low computational requirements. It offers an efficient speech enhancement solution that can run on microcontroller unit (MCU) and microprocessor unit (MPU). Additionally, the plugin includes a voice activity detection (VAD) feature, which enables reliable detection of speech activity.

AI Noise Reduction Software for Voice Applications Block Diagram



View additional information for AI Noise Reduction Software for Voice Applications.

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2026 NXP B.V.