360 | SpeechMagic SDK:
Deeply embed advanced speech recognition capabilities.

Robust. Scalable. Flexible.

Challenge
How can healthcare developers deeply embed state-of-the-art speech recognition capabilities into their application with the utmost flexibility, such as: digital dictation, front-end speech recognition, backend speech recognition, workflow, transcription, correction, command and control?

Solution
360 | SpeechMagic SDK is a robust, scalable speech recognition platform offering an extensive SDK set that accompanies the healthcare industry's trend towards large-scale electronic speech infrastructure.

Streamline clinical documentation and reduce turnaround time

Deeply integrated into your solution, 360 | SpeechMagic SDK becomes a natural feature of the clinical documentation process, simplifying report completion and communication, reducing turnaround time and transcription cost.

Front-end speech recognition

Clinicians dictate, self-edit and sign transcription-free, completed reports in one sitting and have full control. Alternatively, you can also delegate the draft to your transcription department.

Key Benefits
– Reduces document turnaround times
– Saves on transcription costs
– Increases patient record accuracy and access
– Improves clinician satisfaction and EHR adoption
– Enhances patient care in a demanding environment

Key Features
– Industrial-grade speech recognition in 22 languages
– Multiple workflow options, with seamless flexibility between front-end, back-end, and deferred correction options.
– Seamlessly integrated within your IT infrastructure
– Central, low-effort administration & maintenance
– Speech Analytics include Key Performance Indicators (KPI) and KPIviewer reporting tool

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Backend speech recognition

Clinician dictations are turned into speech-recognized drafts that medical transcriptionists edit, resulting in up to a 100% gain in their productivity when compared to traditional transcription.

Remote speech recognition

Clinicians can access the dictation and speech recognition system outside the central network, on a laptop or tablet PC. When reconnecting the device to the network, the central functions and services are performed.

High initial performance

Physicians using front-end, interactive speech recognition can now easily add and remove words, or manage their vocabularies themselves. This enables them to build up their own customized recognition vocabularies in addition to the centralized vocabularies for all users at a site. Together with the expanded out-of-the- box vocabulary and advanced learning algorithms the performance and accuracy of the speech recognition engine has been raised significantly.

Speech Analytics

Get transparency. Improve control. Enrich the performance 360 | SpeechMagic SDK helps achieve faster and more cost-efficient medical documentation. New tools allow to measure and analyze the clinical reporting in your deployment. The new data-centric approach to optimize your speech-enabled information capturing processes allows to get an exact overview of the documentation volume, costs implied, ROI and turnaround-time and includes:

Key Performance Indicators to deliver data about return-on-investment and the efficiency of medical documentation for evidence-based decision making in healthcare administration. Higher initial recognition accuracy and reduced deployment/integration effort positively affects the total cost of ownership (TCO).

The KPIviewer allows to better understand the performance of your system via a powerful visualisation tool. Manage the system performance and get the most out of it!
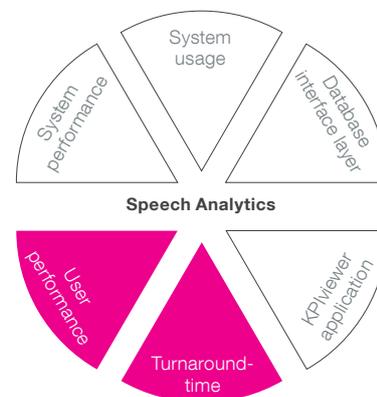
360 I Development Platform

…is a global, clinical documentation creation and information capture platform designed for developers who want to embed advanced speech recognition functionalities into their clinical applications. It delivers network-based, secure speech recognition supporting dictation and transcription of clinical documentation and medical information from any application, on any device, at any time, for the entire healthcare enterprise.

Key Components

360 I SpeechMagic SDK & 360 I SpeechAnywhere Services, a new set of cloud- and network-based services for secure speech recognition capabilities following the design principles of zero weight on the client, zero deployment effort and zero integration effort on many platforms.
360 | SpeechAnywhere Services brings speech recognition to mobile healthcare IT computing as well as traditional desktop and thin clients.

Nuance Healthcare Developer Program: Designed to help the developer community implement and deploy the full potential of the 360 | Development Platform in their clinical workflow applications. Register now at: nuancehealthcaredeveloper.com

Speech Analytics

www.nuance.com/for-healthcare/emea

www.slideshare.net/NuanceHealthcareEMEA

www.twitter.com/voice4health

About Nuance Healthcare

Nuance healthcare empowers healthcare provider organisations and individual doctors to accurately capture and transform the patient story into meaningful, actionable information in 22 languages. Today, over 10,000 care giver organisations and 500,000 users worldwide trust Nuance voice recognition technology to deliver higher quality care, improve financial performance and enhance compliance efforts.

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