

S-MINDS

Next-Generation
2-Way Speech
Translation

Eyes-Free

Hands-Free

**Rugged and
Portable**

**Wireless Headset
and Handset**

Not just a translator

S-MINDS isn't just a translation tool; it also enhances the conversation with visual aids when needed and collects actionable intelligence during interviews.

You can show images and make virtual pen marks on them to add clarity to interviews. You can also dictate voice memos and type text memos.

During each interview, the system stores recordings of everything that is said and copies of the images that are displayed. It also builds an HTML transcript (in English) of the interaction, all text memos and all user actions, with hyperlinks to the associated sound and image files.

You can edit and save text of the transcript using an ordinary Web browser. You can also compress the transcript, images and recordings from an interview into one file for easy sharing of actionable intelligence.



S-MINDS



◀||| 2-Way |||▶
Speech Translation
System

Sehda

1153 Bordeaux Dr., Suite 211
Sunnyvale, CA 94089
(408) 747-1010, ext. 224
info@sehda.com

Sehda

What is S-MINDS?

S-MINDS (Speaking Multilingual Interactive Natural Dialog System) is a computer-based system that gives you 2-way language capability for routine interactions. S-MINDS is designed to reduce the demand on human linguists and interpreters by enabling 2-way translation for predictable communications in a controlled environment.

System components

- A Windows XP computer
- A headset microphone for you
- A telephone handset for the second-language speaker
- An external loudspeaker
- S-MINDS software



How S-MINDS works

1. You talk into a headset microphone.
2. S-MINDS plays the translation out through a telephone receiver (or an external loudspeaker in 1-way mode).
3. The second-language speaker hears and responds by talking into the receiver.
4. S-MINDS plays the English translation through your headset.

Eyes-free, hands-free

Keep your hands on your weapon and your eyes on the person you're talking to. S-MINDS has a voice interface that makes it easy to use in hands-free, eyes-free mode. You and the second-language speaker can verbally verify what was said before the system translates. S-MINDS also provides intuitive audio feedback and help messages to you and the second-language speaker.



Rugged and portable

S-MINDS is available on rugged handheld computers with long battery life for maximum mobility. S-MINDS software also can be installed on your unit's existing Windows XP computers.

Wireless headset and handset

Under a contract with USSOCOM, Sehda is developing its own wireless headset microphone and telephone handset — so you can put your S-MINDS computer in a vehicle or building and operate it with your voice from up to 50 feet away.

No memorizing

S-MINDS accepts variations on the concepts that you want translated, so you don't have to memorize phrases word for word.

No 'training the system' to your voice

S-MINDS is speaker-independent; you can pick up any S-MINDS system and

use it immediately without 'training' it to your voice.

Reliable translation

S-MINDS translates concept for concept so you always know exactly what S-MINDS is saying to the second-language speaker. When the second-language speaker responds, Sehda's patented Interpretation

Engine translates common responses with very high accuracy; a second engine provides gist translations of unusual responses.

Easy to learn

You can learn all system functions and start translating with S-MINDS in 1 to 3 hours. Multimedia training can be embedded in the system.