



SANAKO Lab 300 Specifications

A VERSATILE MULTIMEDIA LANGUAGE-LEARNING CENTER

SANAKO Lab 300 is an innovative, easy-to-use language lab system that provides technological solutions for a versatile learning experience. With Lab 300, a teacher can structure, set up and run a PC-based language lab environment. Lab 300 offers high-quality audio, video and multimedia and enables the usage of a variety of learning resources.

SMART INVESTMENT

The Sanako Lab 300 modular system is easy to set up and easy to use. It utilizes the latest IT solutions and has high-quality audio. The management and administration of all lab activities is done from Lab 300 Teacher Software. Different program source devices, such as CD and DVD players, VCRs and cassette recorders are easy to integrate into the Lab 300 system.

SYSTEM COMPONENTS ARE EASY TO MANAGE

Teacher

The intuitive setup application of the Lab 300 allows rapid configuration of the **Teacher Software**. Lab 300 graphical user interface allows the teacher to view and work with a graphical representation of the classroom on the screen.

The **Master Audio Panel** contains the main power switch of the Lab 300, connectors for two external program sources, such as VCR or cassette recorders, controls for adjusting the volume, bass and treble levels for the classroom loudspeaker, and controls for adjusting volume for the headsets. The Lab 300 teacher position includes a high-quality headset.



SANAKO Lab 300 Teacher Software



SANAKO Lab 300 system architecture

The **System Connection Unit** connects the teacher's Master Audio Panel and the students' Headset Adapters with program source audios. Depending on the model, the System Connection Unit can be used to connect up to 48 or 96 students.

Student

The **Media Assistant Duo** is the student interface in Sanako Lab 300. With the intuitive setup application of the Media Assistant Duo the teacher can optimize the volume levels for student positions. Students' headsets are attached to the students' **Headset Adapters**.

OPTIONAL ACCESSORIES

Program Sources (up to 8 sources)

Lab 300 allows up to 8 audio and video sources to be integrated into the system and used as program sources in Lab 300 lessons.

Video Distribution Network



The teacher can transfer analog video to student workstations that have a video overlay card. An **Infrared Device Controller** can be connected to the system for managing the video source directly from the Lab 300 computer.

Screen Transfer and Remote Control (hardware or software based)

With the Screen Transfer and Remote Control option, teachers can transmit their screens to selected workstations or group of workstations. They can also draw annotations to point out a detail in an image or a document, or choose to view student workstations as thumbnail images on the function panel. The remote control function provides tools for monitoring student activities, viewing the screen and accessing the computers of remote students from the teachers' workstation.



SANAKO LAB 300 TECHNICAL SPECIFICATIONS

Lab 300 Components	Headset Adapter	Minimum System Requirements Master Computer
<ul style="list-style-type: none"> • Lab 300 Software (LSW300) • System Connection Unit (SCU048/SCU096) • Master Audio Panel (included in LSW300) • Lab 300 Media Assistant Duo Software (DUO300) • Headset Adapter (HAD324/HAD301) • Headset (TLH082/TLH090) • Cable (CAB300) 	<ul style="list-style-type: none"> • Operating voltage 12 V (external or from SCU048) • Headset connectors 2+2 • Audio source connector line in, line out • Frequency response 63 Hz - 16 kHz +/- 3 dB 	<ul style="list-style-type: none"> • Microsoft® Windows® XP or Windows® 2000 • Intel® Pentium® 700 MHz • 64 MB RAM • 70 MB free space • Sound card (For a list of suitable sound cards, please contact your local distributor.) • SVGA video adapter (1024*768 High Color) • CD-ROM • Serial port • Mouse • Local area network connection • Parallel port • Video overlay card (optional)
<h3>System Connection Unit</h3> <ul style="list-style-type: none"> • 48/96 student positions • 8 program sources • 2 teachers • Program source input: 0.1-3 V / 22 kohm • Program source output: 0.3 V / 1 kohm • Power supply: operating voltage 110/240 V, 50/60 H 	<h3>Headset (typical)</h3> <ul style="list-style-type: none"> • Microphone 30 mV/2.2 kohm (+6V), electret • Headphones impedance 200 ohm • Nominal level -10 dBV (0.3 V) 	<h3>Student Computer</h3> <ul style="list-style-type: none"> • Microsoft® Windows® XP or Windows® 2000 • Intel® Pentium® 700 MHz • 64 MB RAM • 20 MB free space • Sound card (For a list of suitable sound cards, please contact your local distributor.) • SVGA video adapter (1024*768 High Color) • CD-ROM • Mouse • Local area network connection • Video overlay card (optional)
<h3>Master Audio Panel</h3> <ul style="list-style-type: none"> • Power amplifier 2x15 W (stereo) • Speaker volume range 64 dB, 2 dB steps • Treble 10 kHz +/- 12 dB • Bass 50 Hz +/- 12 dB • Teacher headset mic in (A) R 10 mV / 2k2 +6V (300 mV intercom line) • Teacher headset mic in (B) L 0,3 mV / 200 ohm (300 mV intercom line) • Headphone in 300 mV RMS (student headphone level) • Headphone volume 64 dB, 2 dB steps • Line out 300 mV RMS / 1 kohm (AGC) • Line in 300 mV RMS / 22 kohm (+6 dB over the adjustment point of AGC) 	 <p style="text-align: center;">Headset TLH082</p>	<p>Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.</p> <p>Pentium® is a registered trademark of Intel Corporation or its subsidiaries in the United States and other countries.</p>
<h3>High Technology from Finland</h3>		<h3>SANAKO Software Maintenance (recommended)</h3> <p>Software Maintenance gives added value to the customer's technology investment. Software Maintenance allows Sanako software users to receive updates that are available in the coverage period without paying an update charge. Sanako works with its customers to ensure long-term customer success and satisfaction. For further information on Software Maintenance and pricing, please contact your local representative.</p>
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We reserve the right to make modifications to any products described herein.

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