

ALEX

The Patient Communication Simulator (PCS)

Sole Source Justification

Nasco Healthcare is the sole manufacturer of the ALEX Patient Communication Simulator (PCS), a full-body patient simulator with advanced communication skills, patent pending.

ALEX is designed for meeting high-level healthcare simulation goals and educational learning objectives. ALEX builds expertise in healthcare decision making, conducting foundational clinical interviews, and CPR training and assessment.

ALEX offers the following unique features that sets it apart from other patient simulators:

Eyesight

- IrisCam™ in the right eye streams high definition, low latency video providing remote viewing from a patient's perspective as well as reviewing capability

Communication Through Speech

- Natural language speech recognition and response system
- Text-to-speech (TTS) synthesis application within software interface
- Intercom-like 'push-to-talk' through VoIP within software interface

Connectivity

- Utilizes wired and wireless networks – including guest networks
- Operating device independent (instructor workstation is not required)
- No client software installed and requires no plug-ins or apps
- Browser uses HTML5 user interface
- Responsive and scalable user interface
- All features controllable and available from any location (bandwidth permitting)
- Encrypted online communication using secure protocols

Included Accessories

- Wireless SmartScope™ delivers realistic lung, heart and bowel sounds through any stethoscope or attached headset using Near Field Communication (NFC) and Bluetooth
- SmartCuff™ allows accurate blood pressure measurement, playback of Korotkoff sounds, and brachial pulse sensations via Bluetooth

Software

- Simulation archive: search, locate, review past sessions with physiological data trend chart, video/audio review, log, and checklist data
- SmartLog™ searchable log for every simulation including physiological settings, voice transcripts, and customer entries.
- Getting Started guide with real-time customer support embedded within software
- Model driven physiology: administer a range of drug treatments and physiology will accurately respond based on the patient's age, weight, and pre-existing conditions
- Virtual ALEX (ALEX Pro only) allows faculties to run simulations on a virtual avatar from a computer or tablet
- TeamSpace (ALEX Pro only) enables learners to participate in simulations remotely