

LifeBot® Critical Care Desktop Workstation powered by DREAMS™

A cost effective desktop workstation dedicated to real-time management of critical patients located in the remote hospital emergency rooms, ambulances, satellite facilities or intensive care.



A mobile healthcare solution that brings high definition interactive voice and video communications that facilitate access to patients and physicians in real-time no matter where they are located.

This system also allows for live transmission of critical patient physiological data using LifeBot® DREAMS™ software developed with U.S. Army Materiel Command, Texas A&M, and UTHealth Science Center at Houston.

Remote patient care is now an essential element of every healthcare system. LifeBot® provides easy-to-use technology that breaks down distance barriers and facilitates access to patients and physicians specifically for critical life-saving emergencies.

The LifeBot® telemedicine workstation provides for remote access by any critical care specialist from a distance. The workstation enables construction of 'hub and spoke' telestroke or teletrauma networks as recommended by the American Heart Association. Remote emergency rooms or healthcare facilities (the spoke), who do not have 24-hour on-staff critical care, may be connected to a central facility (the hub) who does. Then rapid patient assessments may be performed virtually and remotely at any time and in almost any place.

The workstation is powered by DREAMS™ (Disaster Relief and Emergency Medical Services) telemedicine software which was developed with famed trauma surgeon, James 'Red' Duke, and the U.S. Military. This system allows for the live transmission or reception of critical patient physiological vital signs and trended video, voice, data is recorded and selectively stored in an on-board SQL database server. This data may be forwarded or ported to EHR (Electronic Health Record) systems.

The remote specialist may utilize the LifeBot® Desktop Critical Care Workstation or the portable LifeBot® Slate PC Tablet to perform remote patient assessments at the hub, or central facility or almost anywhere connectivity exists. Alternatively, carts and desktops may be remotely connected between each other to establish communications for rapid patient assessments.

The LifeBot® Slate PC tablet (similar to, but more powerful than an Apple iPad) may be used to remotely connect to the critical care cart. This tablet is also based on Windows 7, so it is accepted by DoD and meets most administrative compliance for use in large institutions. The LifeBot® Slate absolutely revolutionizes speed of care by enabling any neurologist, trauma surgeon, emergency medical specialist to obtain immediate telepresence or remote video, voice and data connections using a simple 1.5 pound portable battery operated PC computer tablet solution. From almost anywhere and at almost any time the physician specialist carrying a LifeBot® Slate can login and perform life-saving patient assessments to a remote hospital, an outpatient facility, or even air and ground ambulance transports for major disasters and events.

Features and Benefits:

- Utilizes a Hewlett-Packard based Dual-Processor Pentium 9100 Series Touchsmart PC technologies with a 23 inch display.
- Utilizes exclusive DREAMS™ telemedicine system developed with U.S. Army Materiel Command and others.. the most advanced in the world specifically designed for emergency and disaster systems deployments.
- Compatible with other DREAMS™ powered LifeBot® systems including mobile telemedicine carts, desktops and 1.5 pound LifeBot® Portable Slate systems also powered by DREAMS™.
- DREAMS™ features include sending and receiving of live patient physiological data, live play-by-play screen color drawing and annotation, isolated video zoom to hi-res imaging, complete patient triage and medical record charting system, multiple cameras remote controls with management of resolution, panning, zooming, etc. It also may store all trended physiological data in its on-board SQL database server.
- AES encryption for HIPAA compliancy.
- Instant Messaging and Paging: Send instant messaging e-mail alerts and mass file or data distribution to hospitals or providers directly from private secure portal display.
- Quality audio and video with Codecs compliant with latest High Definition video and voice technologies. Includes hands-free high-definition noise reducing audio microphone.
- UPS battery backup systems for smooth line power to emergency generator transitions.
- Also may be used for TeleStroke, TelePsychiatry, Teletrauma, Dermatology, Translation Services, Primary Care and Correctional Health Systems and any General Telemedicine application.
- PC based compatible with any Microsoft Windows 7 based telemedicine softwares for Radiology and Ultrasound.
- Accepts all popular Windows 7 compatible examination cameras.
- Options available for digital biometric readers, exam cameras, digital stethoscopes and more.
- An exclusive option exists to interface radio and telephone communications to any remote specialist or facility, or to communicate with in-bound or out-bound air and ground ambulance transport systems. VOIP system includes compatibility with P25, 700Mhz, UHF, VHF, 800MHz, TETRA radio systems.
- Upgrade path into future patented LifeBot® and DREAMS™ applications.
- Program financing available via Hewlett-Packard Financial Services.



Connect. Communicate. Collaborate. Save Lives™

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