

LifeBot® Clinical Workstation and Mobile Tablet Powered by DREAMS™



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

We offer a mobile healthcare solution that brings high definition interactive voice and video communications to enable and facilitate access to patients and physicians (who we enable to “interact” with the patient data being transmitted by the LifeBot® telemedicine device) 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 remote “virtual” critical care specialist. The workstation enables construction of “hub and spoke” tele-stroke or tele-trauma networks as recommended by the American Heart Association.

Remote emergency rooms or healthcare facilities (the spoke), who do not have 24-hour attending physicians on staff, may be connected to a central facility (the hub) who does. Rapid patient assessments may then be performed virtually and remotely at any time and in almost any place. The workstation is powered by DREAMS™ (Disaster Relief Emergency And Medical Services) telemedicine software which was developed with trauma surgeon, **James “Red” Duke**, and the U.S. Military.



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This system allows for the live transmission or reception of critical patient physiological vital signs and trended video, voice, ePCR data is recorded and selectively stored in an on-board SQL database server (a LifeBot® exclusive). This data may be printed, forwarded, or ported to EHR (Electronic Health Record) systems.



The remote specialist may utilize the LifeBot® Desktop Critical Care Workstation or the portable LifeBot® Mobile Provider 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 physician may view images and information collected by EMS by using peripherals such as ultrasound, stethoscope, video laryngoscopy, otoscope, eye scope, and others.



The LifeBot® Mobile Provider Tablet may be used to remotely connect to the Lifebot Telemedicine System.

The LifeBot® Mobile Provider Tablet revolutionizes speed of care by enabling any specialist 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 Mobile Provider Tablet solution.

The virtual physician specialist carrying a LifeBot® Mobile Provider Tablet can login and perform life-saving patient assessments and treatment directives from a remote hospital to an outpatient facility, senior care facility, to air and ground EMS and Stroke ambulance transports including major disasters and events.

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Key Features and Derived Benefits:

- **Tele-Presence:** Video conferencing, video recording, instant messaging and data transfers may all be performed between hospital facilities, hospital departments, and ambulances.
- **P25 700MHz:** Add wireless broadband capacity and redundancy to 700 MHz P25 deployments enabling EMS telemedicine.
- **Ambulance Telemedicine:** Fully deployable with LifeBot® prehospital ambulance based telemedicine systems.
- **STEMI 12-lead ECG:** High capacity broadband compatible with ALL manufacturer's 12-lead and ePCR software systems.
- **Multicast:** Instantly group multicast or conference using voice or video teleconferencing during major emergencies.
- **ED Security:** May include site security management with video displays of ambulance bay, heliport, etc. and manage remote door access directly from the communications systems display.
- **Grants:** May qualify for existing rural broadband, interoperative State, Homeland Security and HRSA grant proposals.
- **Rapid Information Access:** Includes custom private portal system for fast access to protocols, SOPs, and any critical information sharing for emergency preparedness.
- **Ambulance Telemedicine:** Fully deployable with LifeBot® prehospital ambulance-based telemedicine systems.
- **Instant Messaging and Paging:** Send instant messaging e-mail alerts to hospitals or providers directly from private secure portal display.
- **Tele-Trauma:** Send live or recorded video or images directly from the scene to hospital and surgeons or neurologists.
- **Tele-Stroke:** Perform live stroke assessments in the field and/or from the home with videoconferencing.
- **Tele-Stration:** The virtual physician may instruct through a "play by play" screen, drawing in multiple colors for critical "real-time" guidance in procedures.



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The workstation utilizes proven industry most current standard Microsoft based software combined with a powerful (proven reliable off the shelf) computing platform so emergency professionals can truly multi-task communications and access to critical information.

The system is fully upgradeable to our patented technologies.

LifeBot® offers much improved prospective ROI (Return On Investment) and savings because of its increased future compatibilities and upgrade paths. The workstation includes a 24/7/365 web based secure communications portal system that may be utilized anywhere with a conventional web browser to instantly access critical information and deliver text messages to other providers.



“advanced telemedicine with continuity of care™”

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