Global Device Management (GDM)

Managing information in the OR requires specialized expertise and cooperation from an array of healthcare professionals? clinicians, technicians, and administrators.

CHALLENGE

Global Device Management (GDM) delivers integrated solutions that give healthcare providers better control of information in hospital Operating Rooms.GDM?s solutions consist of video integration systems, capture and streaming solutions and a complete line of medical-grade display monitors.

GDM?s technology infrastructure is vendor neutral, making it easy to manage all visual data display and recording functions from one GUI-driven touch screen. Because their systems are intuitive, they require little training and support, while providing complex, advanced functionality.

Managing information in the OR requires specialized expertise and cooperation from an array of healthcare professionals?clinicians, technicians, and administrators.Increasingly, critical patient data is being kept in Electronic Medical Records which must be accessed by networked PCs during surgical procedures.GDM needed a way for the OR staff to be able to access these records.GDM?s systems need to control multiple PCs in the Operating Room while minimizing the number of

superfluous keyboard and mouse devices; a requirement driven by the shortage of desk space in this environment.Since the information accessed on the multiple PCs can be critical to patient care, a very high level of reliability is required.

GDM had previously sourced a KVM switch from an Adder competitor that would occasionally ?lock up?, preventing access to the PCs during OR procedures; this failure might be acceptable in a home or office environment, but is completely unacceptable in the OR.Furthermore, the systems GDM provides are designed to manage video.Other models of KVM switches contained un-needed video circuitry.

SOLUTION

Adder?s CCS4USB (Command and Control Switch) solved GDM?s needs perfectly.The CCS4USB allows you to work across all 4 computers and screens as though they were a single interface.Up to four PCs are connected to the central control panel; in typical use the Head Nurse configures and operates the system from a location in the Operating Room.Each of these PCs can have their output displayed on any of the multiple displays in the OR, but control of all PCs comes from the main control panel/keyboard. With the CCS4USB unit, the operator can use a single USB keyboard, mouse and display to fulfill functions that previously required four separate sets of devices.

David Harris, GDM?s CTO and Executive VP commented, ?The CCS4USB was a perfect fit for our control application, it features easy setup and demonstrated high reliability.We utilize complete fiber optic connections for both input and display connections, minimizing external interference in a crowded and potentially noisy electrical environment.The Adder product?s performance is complementary with our custom-developed solution.Unlike the previous product that it replaced, the CCS4USB works 100% of the time. The CCS4USB worked correctly right ?out of the box? and has required no maintenance during the year that they have been in service.?



RESULT

GDM has deployed over 100 CCS4USB units.?I have been using the GDM system in our CV surgery suites for about 3 years. We find them extremely simple to use, user friendly, all staff can be trained in about 10 minutes with the basics. The flexibility they provide for cardiac monitoring, endovein harvest, surgery observation and recording, TEE displaying, and other video slaving makes what we do much easier. The technical support that GDM has provided to me has been exceptional in the past three years. I strongly recommend this system in any surgery suite especially cardiac,? commented Sal Buzzanca RN, BS-BA Cardiothoracic Specialty Coordinator Surgery, Ozaukee Campus.

The security of knowing that the product will perform as expected with a high level of reliability is of great assurance to GDM. The overall benefit of having dependable multi-PC control enhances the value GDM systems bring to the end user through simplicity of use, easy access to information, and decreased time in the operating room.

Adder CCS4USB Command and Control Switch

- Free-Flow Mouse Technology - allowing users to automatically switch between target computers simply by moving the mouse pointer from screen to screen. No software is needed on each computer, Free-Flow resides on the switch itself.

- True Emulation USB 2.0 technology
- Independant simultaneous device selection
- Channel selection options
- Broad USB 2.0 Hi Speed device support
- Synchrony Software switching
- Options port for control and upgrade

