Telemedicine Future: System Function

PA system
MIDIS system has a professional DSP digital audio processor, which can process front-end input signal and the local sound system. With a unique audio processing module, it can ensure the effectiveness of recording and effects of live sound.

Multimedia interactive control system
System administrators can perform centralized two-way real-time monitoring and control on all terminal equipment, video, audio of the hospital through an interactive touch screen.

Secure storage of medical data
Staff can realize live, on demand and management functions of patient information, medical record information, video data, through any node on the network MIDIS, which can support recording and broadcasting of all channels high-definition signals.

Telemedicine
Access remote video to MIDIS system via ISD input and output interface machine, which can not only enable remote medical consultation, remote medical education, academic seminars and other online services, but also can achieve resource sharing between the different levels of hospitals, and speed up the training efficiency of junior doctors.

Teach surgery
Health care staff can manipulate digital ICT class equipments in digital operating rooms fast and simply via MIDIS system through the graphical interface, and complete the information inquiry and entry of surgical patients, the open and close of surgery in multiple surgical video teaching system, display signal switching of multi-platform broadcasting in digital operating rooms; inquiry and access to PCAS information; call and control outside the operating room; playback of background music, etc.
Problems of Existing Solutions

Central Control Room

Multimedia Messaging Service Center

Input Interface Machine Spexi-8000HD60/MU

Gooseneck Microphone

Digital Audio Interface Machine DAP-0404M

Active Line Speaker System

LED Splicing Screen

System Power Manager

Environment Control Interface Machine CC-100/FU

Strong Electric Relay

CC-8C

Electric Curtain

Light

Projector Screen

Doctors Desktop Computers (Surgical teaching access)

HD Camera

PC

System Server MCU-1000

1000M Switch

System Server (Backup) MCU-1000

Router

HD Camera

Physical Booth

DVD

PC

Switch

Department Conference Room

Input Interface Machine Spexi-8000HD/MU

HD Camera

Physical Booth

DVD

PC

Switch

Audio

MIDIS

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SOLVE PROGRAM

Hospital Operating Room

System Server MCU-1000

1000M Switch

System Server (Backup) MCU-1000

Router

System Power Manager

Digital Audio Interface Machine DAP-0404M

Digital Power Amplifier DA2600

Full-Range Main Speaker

Array Microphone

DSP Manager

Array Microphone

Strong Electric Relay

CC-8C

Environment Control Interface Machine CC-100/FU

Interactive Projector

Interactive Electronic Whiteboard

Output Interface Machine Spexo-8000HD60

Control Line

Video Cable

Analog Audio Cable

Network Cable

Control Line

Video Cable