

Centralized management solution
for medical devices and patient data.
Integration system ORNet.



ORNet

ORNet - open solution, not tied to any brands, even existing devices can be integrated to the system.



OPERATING TABLES MANAGEMENT

Management of different types of operating tables (IR, BT, FR, WiFi). Control of different features like height, trend, leg, back, slide.



LIGHTS MANAGEMENT

Control and pre-set of general lighting from 1 point. Control of any specified light source, including endoscopic lights. Management of surgical lamps, blue, green and satellite lights. Control feature like power on/ off, light field size etc.



MONITORS MANAGEMENT

Matrix-type control of all screens and monitors in operating room. No need for specific monitor for every device. Source image transfer from one monitor to an-other from central management monitor with a few simple touches. Management of monitors even over PC net-work.



IMAGE SOURCES PROCESSING AND MANAGEMENT

All different types of image sources (endoscopy cameras, surgical light cameras, general room cameras) can be handled from single point of use. Images from all sources can be recorded, routed and stored in HD quality. System allows to view multiple streams simultaneously. Still images can be captured, marked for samples and stored.



CEILING PENDANT MANAGEMENT

Surgical and anaesthesia ceiling pendants can be integrated to supply medical electricity and gas.



MEDICAL DEVICE MANAGEMENT

Control and management of allowed features of other different medical devices, like diathermy, insufflators etc.



OTHER DEVICES MANAGEMENT

Air-conditioner, room humidity and temperature controls can be added to the system next to medical devices. Most convenient way to react immediately to environment changes.



TELEMEDICINE AND CONSULTATION

Voice and visual consultation over internet or within the hospital, applying hospital's own security policies. Share HD level images for precise consultation. BT headset option giving freedom to move. Teleconferences between several parties.



TRAINING

Auditorium video and audio feature provides excellent training possibilities. Students can access live images from OR-s. If needed, OR can be locked from inside for any viewers.



PATIENT DATA AND PATIENT IMAGE ARCHIVES

Text based data including personal identification data, scheduled operation and procedure details from hospitals own Patient Information System can be retrieved. View pre-procedural images, X-Ray, MRI, CR or ultrasound on monitors at the OR. Images and videos with patient tags can be automatically retrieved from, or saved to PACS/ HIS archives.



STANDARDSEED DATA TO PATIENT MANAGEMENT SYSTEMS

Full integration and transfer of information and images with HL7 and DICOM scripts to electronic patient databases reduces mistakes and saves time.



3D SUPPORT

Supported 3D features. Constant development of new features and adapting latest technologies keeps the system always evolving. Therefore innovation can be taken into use by all existing customers.



MONITORING

Vital signals can be integrated to images on the monitors, helping both at the procedures in the OR or allowing efficiently monitor recovery rooms.



USER INTERFACE

Touch-screen user interface was designed together with professionals working at the OR to suit their needs best. User interface allows a one touch control of all devices. Same user interface for similar devices increases comfort of work. Localized language options with icons and keywords. User interface adaptation to existing room and it's functions.



HD



3D



Benefits



FLEXIBILITY

- Open solution, not tied to any brands, existing devices can be integrated into the system.
- Scalable solution expands according to the needs of a specific room and it's functions.
- Allows using devices from different areas in one and the same, seam-less system.
- Transformable user interface allows solution to adapt also into the needs of recovery rooms as a monitoring system and Pathologies as a material management and documentation tool.



PATIENT SECURITY

- Less mistakes from one point of management and less unnecessary movement during procedures.
- Increased data security with Fail Safe feature for unexpected network failure.
- Decreased risk of set-up errors for sterile/non-sterile areas.
- Traceability of all phases of any procedure increases patient security. Patient data tagged images and videos are ready for replay any time.
- User rights and user groups are defined by hospital's own data security policy.



TIME SAVING

- High efficiency of device management from one point of use.
- Pre-set user specified defaults on devices e.g. surgeon related light combinations and table setups.
- Maintain identical user interfaces between different OR-s, less device specific trainings needed.



MONEY SAVING

- Can be installed inside current facilities.
- Efficiency is increased with a „Shut Down“ feature allowing quick and easy transition of all devices into sleep mode for cleaning and faster turn-around time.

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