

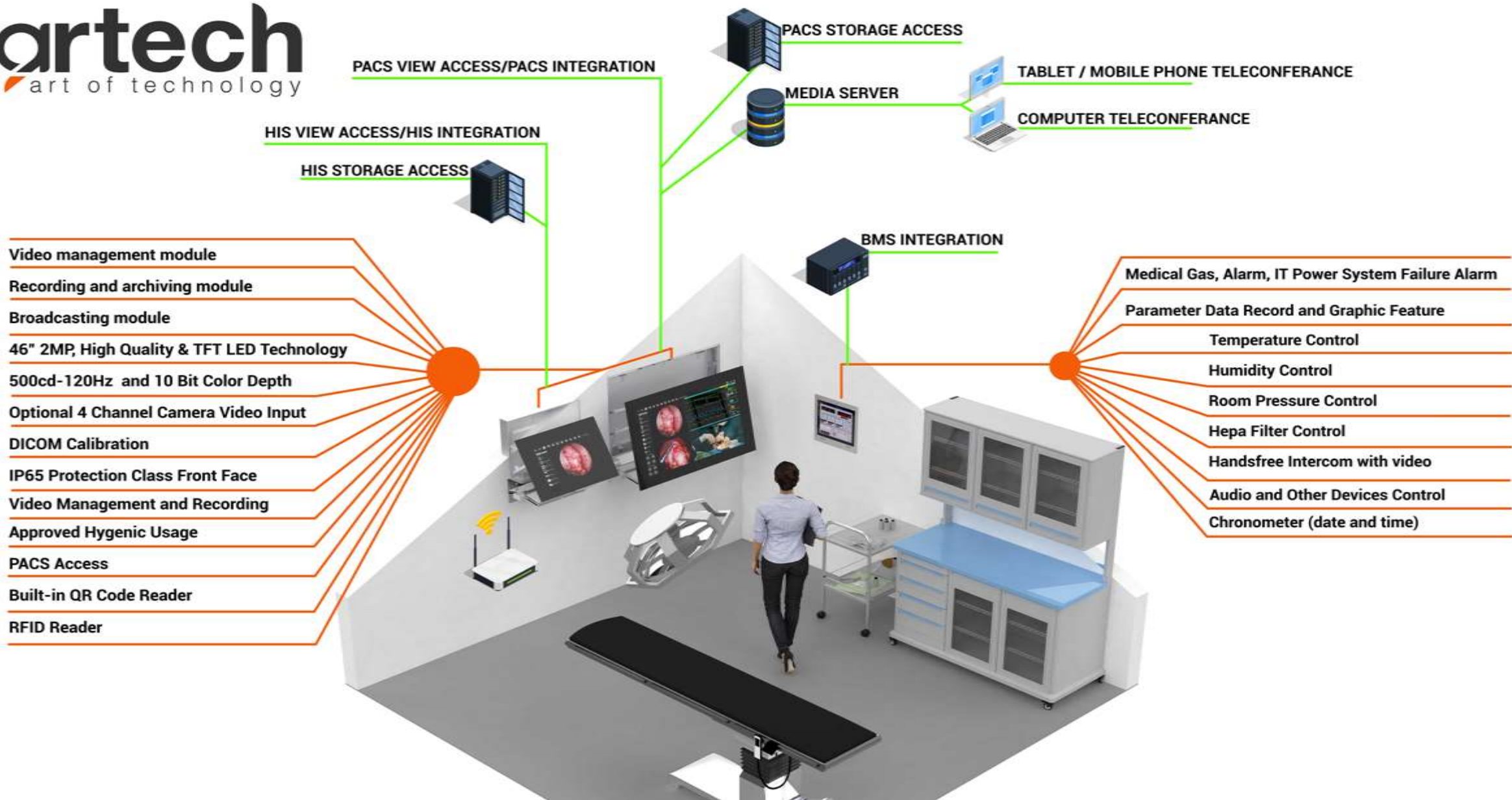
Operating Room Integration System





What is Operating Room Integration System?





Features of Artech Operating Room Integration System

- Access to HIS (Hospital Information) Software
- Build in QRCode Reader
- Access to PACS (Medical Images) – 46” DICOM Preset Monitor
- 4 Channel High Resolution Medical Video In (Endoscope, Laparoscope, Vital Monitors, Digital Microscope, OR Lamp Camera, all kinds of Medical Device with a video out can be connected)
- 1 Channel High Resolution Video Out for Directing the Images to Monitor on Pendant Arm
- PIP Function for Video Images
- Recording Function for Video Images
- Archiving and PACS Integration of Video Images in DICOM mpeg4 File Format
- Live Broadcast Video Images with Audio (*one to one* and *one to many* modes)
- Digital Chronometer and Timer
- Light Control of OR
- Temperature, Humidity, Pressure Control of OR
- Hepa Filter Status, Medical Gas System, IT Power System Monitoring
- Alarm Log
- Parameter Log
- Nurse Call
- Hands-Free Intercom / Phone (IP Phone Integration)
- Eco and Operation (In Use) Modes of OR
- Remote Monitoring and BMS (Building Management System) Integration.

Devices of Artech Operating Room Integration System



OPERATING ROOM
CONTROL PANEL

DIGITAL NEGATOSCOPE
AND TELEMEDICINE

MEDICAL PC

Artech Operating Room Integration System

Operating Room Control Panel



Medical PC



Digital Negatoscope and Telemedicine



Artech Operating Room Integration System for Hospital Management



Patient Safety



More Efficient Use of Operating Room Staff



Cost Reduction (Time, Material and Billing Management)



Parallel Patient Satisfaction Increased Success Rates in Surgery



Increasing Preference and Use Rate of the Operating Room



Establishing Hospital Functions for Education and Congress Purposes



Artech Operating Room Integration System for Surgeons



Patient Safety



Quick and Easy Access to Information During Surgery



Decreasing Risks, Increasing Efficiency in Surgeries



Archiving Surgery Images



Consultation and Training Opportunity During Surgery with Telemedicine System



Artech Operating Room Integration System for Surgical Nurses



Patient Safety



Digital Workflow Tracking



Time & Material Management



Accurate Reporting



Patient Safety with Artech Operating Room Integration System



MEDICAL HISTORY

Easy access to the
patient's medical
history



CONSULTATION

Possibility to make a
consultation for
sudden developing
situations.



PROCESS FOLLOW-UP

Process follow-up
with digital checklist
before, during and
after the operation



RECORDING AND
REPORTING

Making the most
accurate diagnosis
and treatment
decisions with the
recording of the
operation

Cost Saving: Time with Artech Operating Room Integration System



Shortening the operation times



Possibility to do more surgery



Shortened preparation times of the operating room with digital checklist



Reducing personnel costs by using operating room staff more efficiently



Cost Saving: Material Management and Billing with Artech Operating Room Integration System



Control and monitoring of medical consumables used with the internal barcode reader



Possibility of comparative evaluation of the materials used on the basis of surgery



Detailed reporting on monthly and annual basis for each surgery



Instant billing



Quick and Easy Access to Information with Artech Operating Room Integration System



**Instant Access to
Patient History**



**Instant Access to
Internally Stored PACS
Images, EHRs and
Laboratory Reports**





**Saving /
Broadcasting /
Sharing Surgery**




**Online Consultation
with Surgeons,
Radiologists or
Pathologists**

Advanced Surgery with Artech Operating Room Integration System

- 


Allows surgeons to see different images from different medical equipment at the same time
- 


Facilitates the recording and accessibility of critical information and documents in digital media for medical processes
- 


This feature facilitates making more complicated procedures and working at the same time




Workflow Tracking and Productivity with Artech Operating Room Integration

- 

Collects all the procedures in a central device, it enables surgeons to control their environment better.
- 

Reduces pressure on surgeons and staff in long and detailed cases
- 

Operating room is structured according to the surgeon with a single button and operating room staff are used more efficiently.
- 

Allows control and monitoring of ideal ambient conditions of the operating rooms



Archiving with Artech Operating Room Integration System



**Patients' PACS
Images and All
Medical History are
Stored in One Place
in DICOM Compliance**



**Instant Access to
Patient Information is
Provided from the
Archive During the
Operation**



**Training Materials
can be Prepared from
the Information and
Images in the
Archives**

Telemedicine with Artech Operating Room Integration System



The telemedicine system enables the transfer of medical information for consultation, diagnosis or training between specialists located outside the operating room and in the operating room.



Possibility to make a consultation for sudden developing situations.



Hospitals can incorporate new procedures more easily.



Allows surgeons to access new procedures without leaving their work places.



Artech Operating Room Integration System



Modular Structure



Certified



Suitable for
Hygienic
Environment



Maintenance Free



Fast
Technical Service,



Reliable

artech
art of technology



Our Certificates

- TS 13611 (2014) AUTHORIZED SERVICES - AUTHORIZED SERVICE PROVIDING ACCORDING TO THE RULES STANDARD FOR PROGRAMMABLE AUTOMATION SYSTEMS
- TS 13243 (2014) AUTHORIZED SERVICES - AUTHORIZED SERVICE PROVIDING THE COMPLIANCE WITH THE RULES STANDARD FOR LED-GRAPHIC BASED VIDEO ANNOUNCEMENTS
- TS 13166 (2017) AUTHORIZED SERVICES - ORDER AND CALL SYSTEM (QUEUEMATIC) - AUTHORIZED SERVICE PROVIDING THE COMPLIANCE WITH THE RULES STANDARD
- TS 12498 (2015) AUTHORIZED SERVICES - COMPUTER AND ENVIRONMENTAL UNITS - AUTHORIZED SERVICE PROVIDING ACCORDING TO THE RULES STANDARD
- TS 12963 (2016) AUTHORIZED SERVICES - POS, ATM, KIOSK AND HAND TERMINALS - AUTHORIZED SERVICE PROVIDING ACCORDING TO THE RULES STANDARD
- ISO 9001 (2015) DESIGN, PRODUCTION, AFTER-SALES SERVICES QUALITY MANAGEMENT SYSTEM CERTIFICATE
- ISO 13485 (2016) MEDICAL DIGITAL IMAGING AND INFORMATION SYSTEMS PRODUCTION AND TECHNICAL SERVICES OF THE DEVICES QUALITY MANAGEMENT SYSTEM CERTIFICATE
- ISO 27001 (2013) INFORMATION SECURITY MANAGEMENT SYSTEM CERTIFICATE
- ISO 10002 (2018) CUSTOMER SATISFACTION and ACTIVE INFORMATION MANAGEMENT SYSTEM CERTIFICATE
- ISO 45001 (2018) OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE
- IEC-60601 EMC MEDICAL DEVICE ELECTROMAGNETIC SAFETY COMPLIANCE
- IEC-60601 LVD MEDICAL DEVICE ELECTRICAL SAFETY COMPLIANCE
- OPERATING ROOM AND INTENSIVE CARE HYGIENE COMPLIANCE REPORT
- EEC93-42 MEDICAL DEVICE COMPLIANCE CERTIFICATE
- UTS REGISTRATION



Operating Room Integration System

