

OR1 NEO®

The ultimate operating room



AV Management

Ergonomic video distribution in the OR – from source to target in 4K UHD, 3D and FULL HD with independent PiP, PaP, QUAD function

Documentation

Convenient recording of still images and videos – from two sources simultaneously in 4K UHD, 3D and FULL HD for network storage in PACS or SCENARA®

Swipe Control

Open the application homescreen by swipe gesture and access all functions directly from inside the sterile field

Medical Device Control (KARL STORZ-SCB)

Intuitive control of all functions via realistic user interface with the possibility to store and access presets

Streaming

Transmission of a video stream from the OR to an auditorium or doctor's office and bidirectional audio communication

Videoconferencing

Start a video call directly from inside the OR and share live images with external participants

Advanced Usability

Simply, conveniently and securely connect mobile equipment via ADAPTOR1® and integrate video sources automatically

Room Control

Central control of general room functions like illumination or window blinds

Surgical Touchscreens

Any screen in the OR can be the central control screen

The revolutionary surgical touchscreens provide the OR staff alternatively with the Live Endoscopic Camera Image or with all OR1 NEO® control options.

This allows the user to access the OR1 NEO® user interface and hospital software applications directly from inside the sterile field, making it possible to adjust routing parameters, handle documentation or retrieve data from the Hospital Information System or PACS.





Swipe Control

Switch between applications as with your smartphone

The new OR1 NEO® Swipe Control concept uses a simple swipe gesture from bottom to top over the surgical touchscreen to switch from the live surgical image to the application homescreen menu. From there the user has direct access to all OR1 NEO® control functions and configurable software applications.

Switch back to the surgical live image with another swipe gesture.



Swipe over the surgical
touchscreen from bottom to top



to open the application home
screen menu.

Audio/Video Management

Handle your video sources and destinations with ease

The OR1 NEO® routing concept allows the user to distribute video signals within the OR with minimal effort: Tap on source, then tap on target. That's it.

A large preview window in the center of the routing screen provides the user with a full overview and the confidence that they have selected the right source.

Advanced imaging options like picture-in-picture, picture-and-picture and QUAD layouts are easily accessible with the touch of one single button. Additional functions like control of room cameras and multi-inputs appear only when needed.



Individual Presets

Everything as expected when you enter the OR

Presets simplify the workflow for the OR staff. It is possible to store multiple presets according to different types of procedures, different steps during procedures or individual preferences of the surgical team.

The user can rely on consistent settings when starting the procedure and is able to adjust parameters according to individual needs during the procedure.

Preparing an OR has never been easier.



Intuitive Connectivity

Plug and Play

Connecting mobile equipment can be a challenging task. Different video signals, different types of connectors, frequently changing OR staff all add to complexity.

With ADAPTOR1®, simply connecting one single plug will integrate a complete endoscopic trolley or a mobile C-arm with OR1 NEO®.

Once connected the sources will appear in the Audio/Video Management options and compatible devices can be controlled via KARL STORZ-SCB medical device control.



Videoconferencing & Streaming

Communicate within the hospital and beyond

Digital interaction between users from inside the OR with colleagues from within the hospital organization or externally is becoming a standard nowadays.

Perfectly suited for consultation and teaching, it is possible to share selected surgical live images from the OR and display received live images on any screen in the OR.

While the hospital network is used for unidirectional or bidirectional streaming, any common videoconferencing software provided by the hospital infrastructure can be implemented and used for external communication.



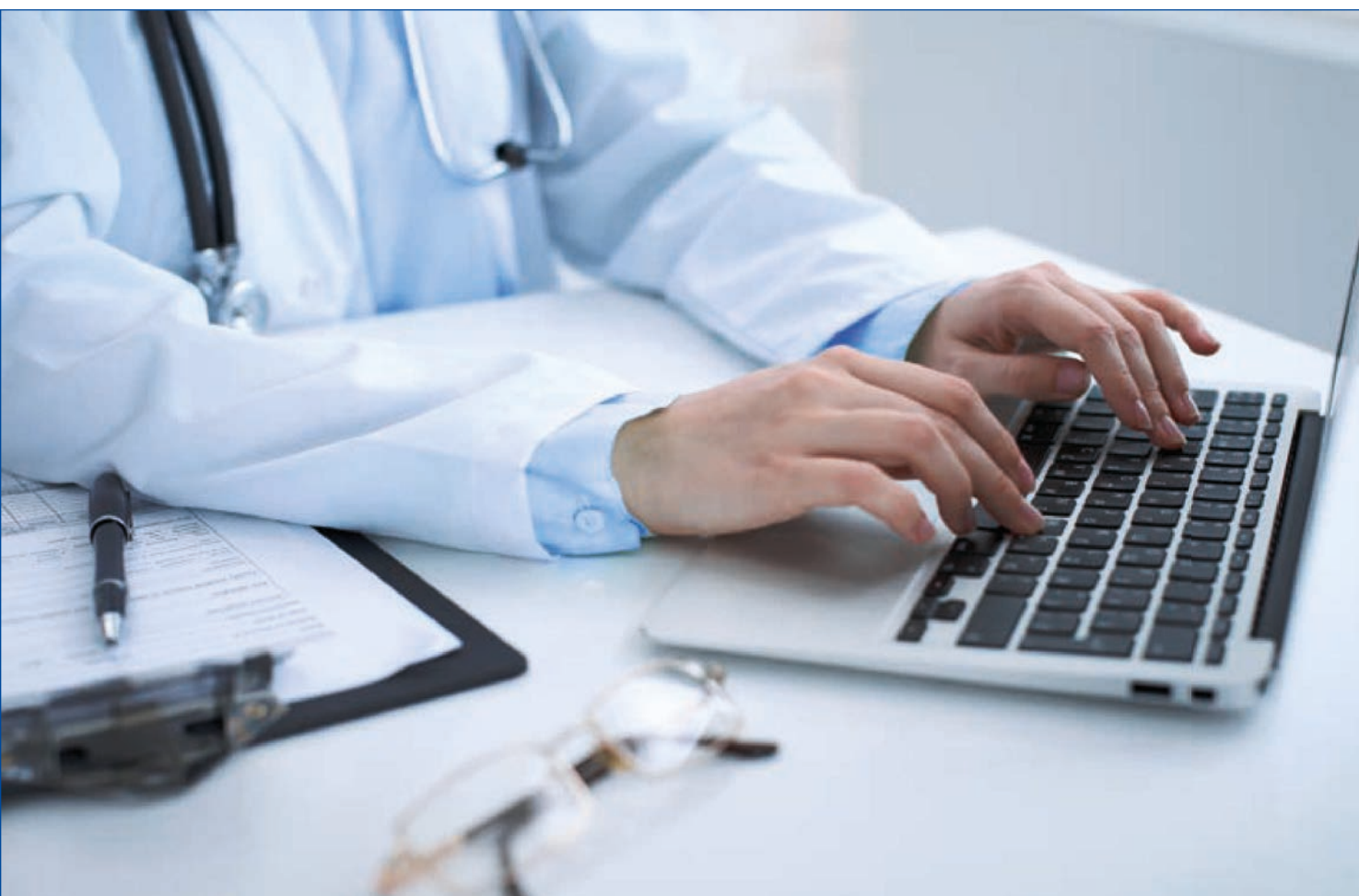
Documentation

Live recording during surgery and automated storage solution

Features from AIDA® and SCENARA® are seamlessly integrated into OR1 NEO®.

The user can handle patient data with DICOM interconnectivity, record still images and videos during surgery, store and access recorded data with SCENARA® and manage the data.

Interfaces with HIS and PACS allow integration with the hospital IT infrastructure to ensure compliance with privacy and cyber security in a digital workflow.



Medical Device Control

Remote control for all medical devices in the OR

Central control of all medical devices in the OR from inside the sterile field or from the non-sterile area.

With KARL STORZ-SCB medical device control, the user is able to control all compatible devices via realistic user interfaces from any touchscreen in the OR.

Most KARL STORZ devices and many medical devices of other manufacturers can be controlled: Endoscopic cameras, light sources, insufflators, operating lights, operating tables, electrosurgery units and more.



Room Control

Control of the complete OR at your fingertip

A perfect working environment can only be achieved by considering all the parameters of an OR.

Therefore, it is indispensable to be able to set general room functions like non-medical illumination, window blinds, air conditioning, etc. according to the individual needs of the surgical team.

OR1 NEO® with room control allows the user to control the complete OR setup from one system and from any touchscreen that is available in the OR.



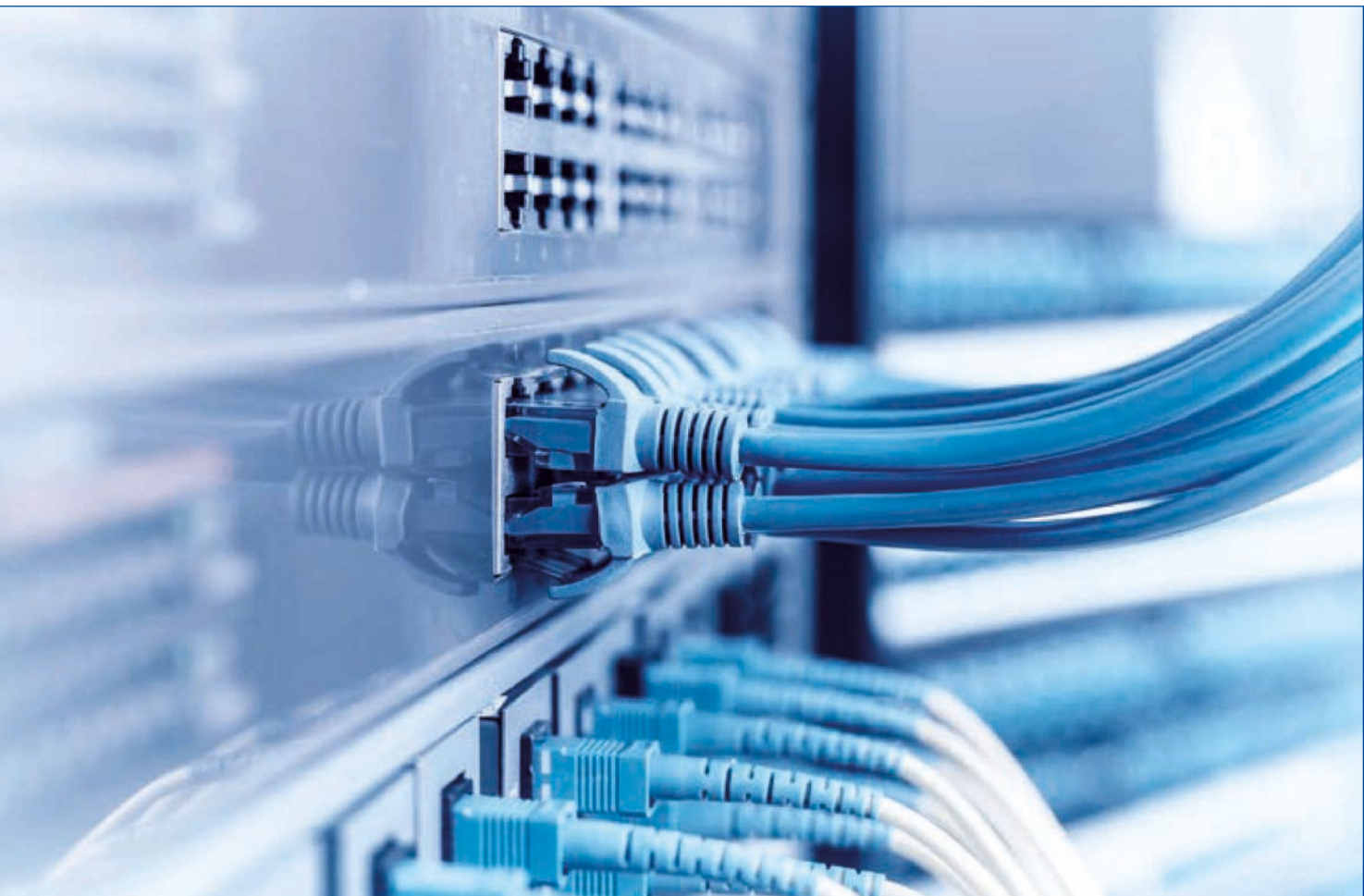
Technology

Cable or fiber – You have the choice

OR1 NEO® is available with either SDI technology or IP technology. Both solutions have advantages to meet hospitals' individual requirements depending on the on-site situation.

SDI is the perfect solution for installations with short cabling distances, where the hardware is placed directly inside the OR or close to the OR.

With IP technology even long cabling distances can be realized, therefore it is ideal for installations with a central server room.



Installation

InWall or in rack – What fits your needs

The complete hardware of OR1 NEO® can be placed in an InWall module that can be installed directly in the OR. A very space- saving solution.

Of course, it is also possible to install the hardware components in a rack and place it in a server room for easy access and servicing.

Maximum flexibility makes OR1 NEO® adaptable to almost any situation.



More than
75
Years

*Shaping the Future
of Endoscopy with you*

