

OR Integration Simply Done.

OR1™ AIR

A/V Management, Documentation & Communication



OR1™ AIR

OR1™ AIR is a modern, lightweight and interconnecting OR integration solution, comprising of the modules AIDA® and OR1™.avm.

The system offers 4K UHD A/V distribution inside the OR, documentation and audiovisual communication within the hospital environment, designed to be operated from the most compact device in its class.

Due to its minimal footprint, OR1™ AIR enables new possibilities of profiting from the benefits of OR integration without the infrastructural investment of traditional, hardware-intense products.

OR1™.avm



AIDA®





A/V Management

Video distribution in the operating room – in 4K UHD, 3D and FULL HD.



Documentation

Content management in up to 4K UHD – from the endoscope to the HIS.

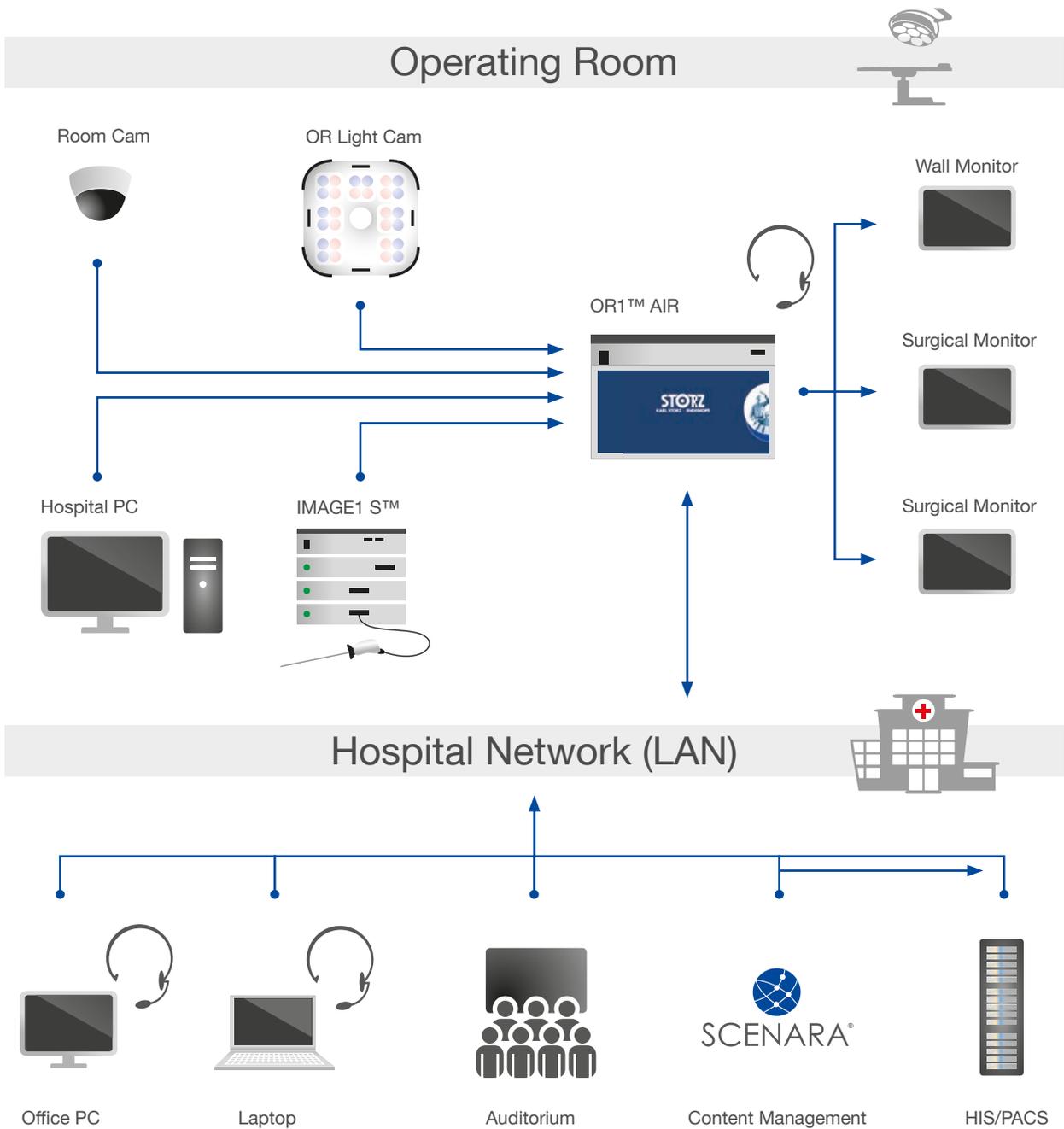


Communication

Video streaming and audio talkback with bidirectional telestration.

OR1™ AIR as part of the KARL STORZ Image Chain

The KARL STORZ image chain provides brilliant surgical image quality and content management in up to 4K UHD, from the endoscope to the Hospital Information System. OR1™ AIR ensures connectivity and management of all its elements - cameras, video sources, monitors and network connected participants.

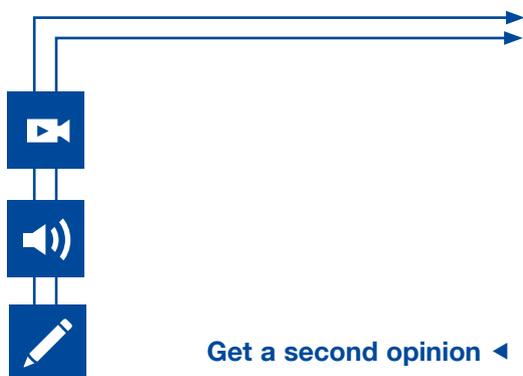


Experience real time communication with collaboration partners within the hospital network. Benefit from high definition video streaming to share the surgical image with other consultants or an auditorium in a secure and privacy protected environment. Seamless communication is ensured with onboard audio talkback function. Emphasize important anatomical or pathological structures with live video annotations.



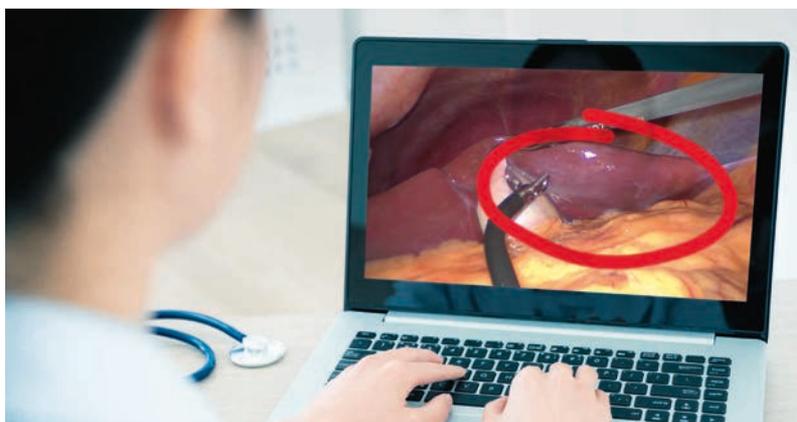
See more ◀

Telestration on the touchscreen inside the OR can be used to visually annotate the streamed image.



Get a second opinion ◀

Get important consultation of another expert during the surgery.



Knowledge sharing ◀

Medical education takes time. Share procedures intraoperatively beyond the OR.



Hospital Management

We value your investment



Keep your Operating Room,
accessible, simple and powerful

- Staff retention by providing a comfortable and ergonomic workplace experience.
- Maximize uptime and reduce complexity.
- Create an integrated operating room with an economic purchase, using existing and future equipment.

Surgeons

Free your mind, focus on the patient



Rely on your workspace with supporting
integration systems by KARL STORZ

- Share your knowledge with colleagues using video streaming, audio talkback and telestration.
- See more details of anatomical and pathological structures - in brilliant 4K UHD, 3D and FULL HD.
- Benefit from latency reduced to a minimum to experience excellent hand-eye coordination.

IT/Biomedical Engineers

We are at your service



Don't wait – let us help you!

- Compact and durable hardware designed for the OR environment and servicing.
- Protected by NIST compliant cybersecurity measures – full control to secure patient privacy.
- Intuitive design and usability to reduce service calls.

Medical Staff

Simplify your work



Easy handling of your integration system

- All-in-one touchscreen allows easy set-up of the OR so you can focus on the patient.
- Intuitive user interface requires less training.
- DICOM worklist prepares your patient information so you don't have to.

The most important features at a glance:



- **Best-in-class** image chain in brilliant 4K UHD, 3D and FULL HD from endoscope to monitor, providing near to zero latency.
- Powerful audiovisual communication function. Video streaming and audio talkback with bidirectional **telestration**.
- **Compact** and service friendly design.
- **Flexible 8x8 video management** system in 4K UHD, 3D and FULL HD including PiP/PaP functionality.
- Fully integrated **documentation** solution in up to 4K UHD.
- Compatibility with our **content management** software solution SCENARA®.
- **Data security** through automated data transfer via HL7 and DICOM.
- **User-friendly** and **Intuitive Graphic User Interface** within integrated SMARTSCREEN® or separate touch screen.
- Protected by **NIST compliant** cybersecurity measures.



Technical data OR1™.avm

Video inputs:	5x 12G SDI/3x HDMI 2.0
Outputs:	6x 12G SDI/2x HDMI 2.0
USB:	4x USB 3.0/1x USB 2.0
LAN:	2x Ethernet
Audio:	1x Audio in/ 1x Audio out
Remote control:	2x ACC
Input voltage:	100-240 VAC
Input frequency:	50-60 Hz
Max. input current:	2.5 A (@100 VAC), 1 A (@240 VAC)
Operating mode:	Continuous Operation
Degree of protection:	IPx0
Protection class:	I
Dimensions:	305 x 74.5 x 355 (W x H x D)
Weight:	4 kg



Technical data AIDA®

Video inputs:	1x DP 1.2a/1x HDMI 2.0
Outputs:	1x DP 1.2a/1x HDMI 2.0
Interfaces:	DICOM, HL7
Input voltage:	100-240 VAC
Input frequency:	50-60 Hz
Output power:	250-300 Watt
Image formats:	BMP, JPG, JPNG
Video formats:	MPEG-4, MPEG-2, MOV
Dimensions:	305 x 74.5 x 355 (W x H x D)
Weight:	6 kg

Technical data SMARTSCREEN®

Input voltage:	100-240 VAC
Input frequency:	50-60 Hz
Size:	12.5"
Native resolution:	1920 x 1080
Panel technology:	LED/AHVA
Dimensions:	305 x 46 x 355 (W x H x D)
Weight:	6.6 kg



Perfecting SURGICAL Outcomes



THE DIAMOND STANDARD

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