OR Integration Simply Done.
OR1™ AIR

A/V Management, Documentation & Communication

OR1 AIR

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

The system offers 4K UHD A/V distribution
inside the OR as well as 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

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AIDA®

A/V Management

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

Documentation

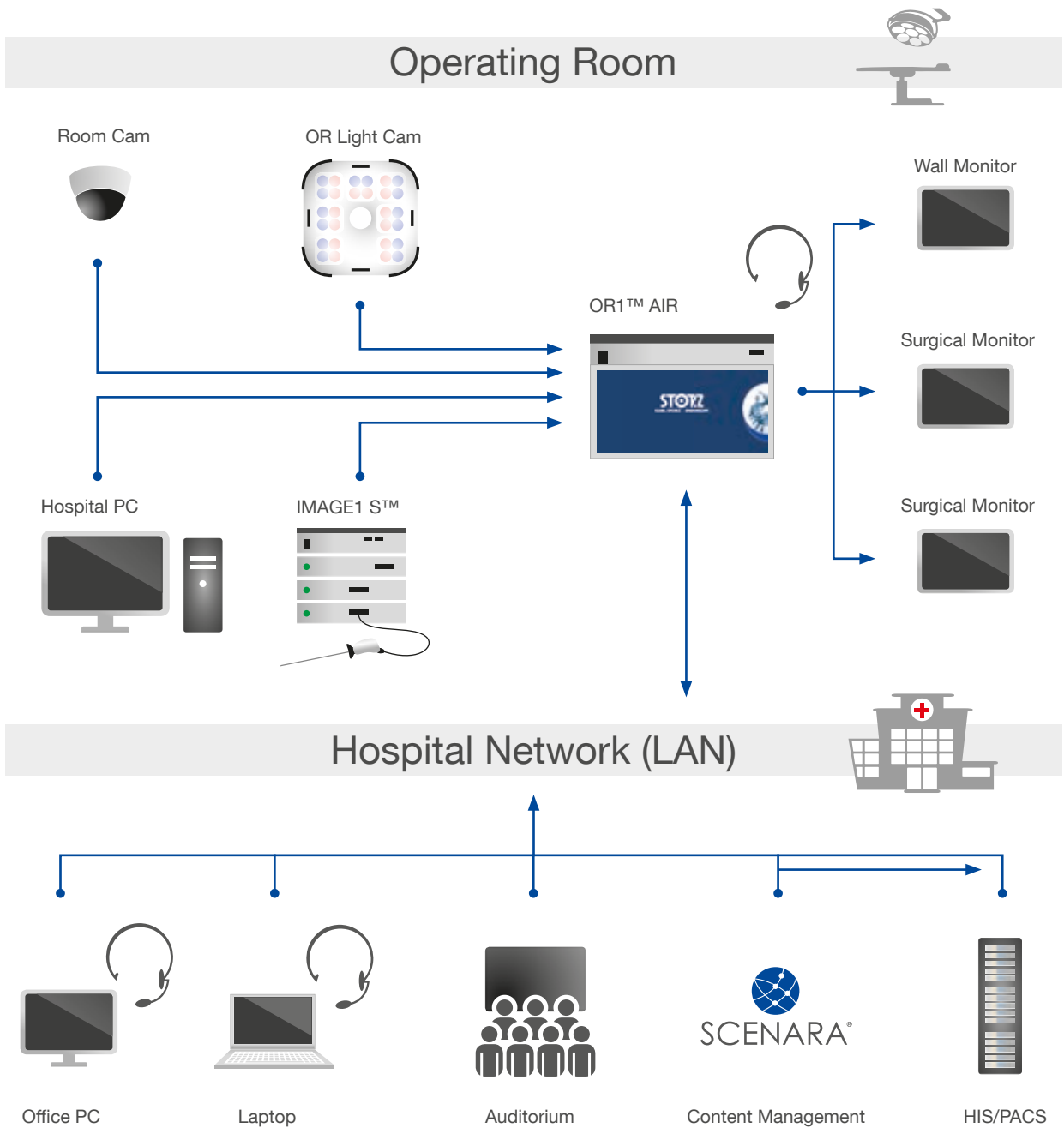Content management in 3D, FULL HD up to 4K UHD – from the endoscope to the HIS.

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.

Operating Room

Room Cam

OR Light Cam

Wall Monitor

OR1™ AIR

Surgical Monitor

Hospital PC

IMAGE1 S™

Surgical Monitor

Hospital Network (LAN)

Office PC

Laptop

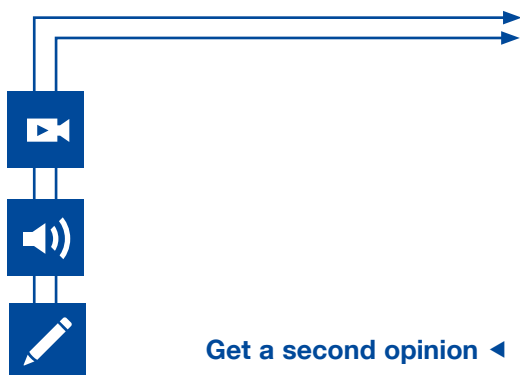Auditorium

SCENARA®

Content Management

HIS/PACS

Experience real-time communication within the hospital network. Benefit from high-resolution video streaming to share the live surgical image from the OR with colleagues or an auditorium in a secure and privacy-protected environment.
Seamless communication with all participants is ensured via an audio talkback function. This offers you the possibility to point out important anatomical or pathological structures with live video annotations.
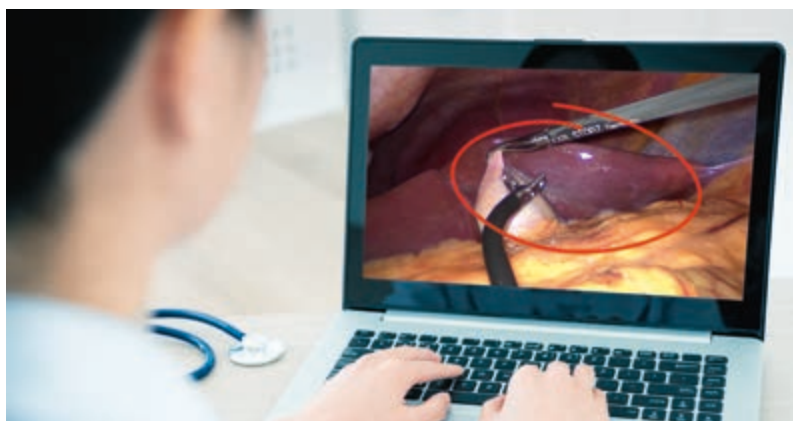
4K

See more ◄

Telestration on the touch screen 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

We simplify your work

Easy handling of your integration solution

- The intuitive all-in-one touch screen allows easy and fast OR set-up so that you can fully 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** in 4K UHD, 3D and FULL HD, including PiP/PaP functionality.

- Fully integrated **documentation solution** in 3D, FULL HD 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 G**raphic **U**ser **I**nterface within integrated SMARTSCREEN® or separate touch screen.

- Protected by **NIST compliant** cybersecurity measures.

WO301 **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 Line in/1x Audio Line 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

WD300 **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

WM200 **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

75 Years

Shaping the Future of Endoscopy with you

STORZ
KARL STORZ — ENDOSKOPE

THE DIAMOND STANDARD