

Broadcast

Broadcast is a software for live video and audio*¹ distribution. Live medical video and audio from the OR can be shared securely over a network, medical staff can access feeds from anywhere in the hospital via the data network, and teach, collaborate, supervise, demonstrate and more. Distributed live image enables discussion for the purpose to ask for a colleague's opinion, and allows an assistant to remotely follow an intervention.

*¹ Optional IP Audio set is required.

Use Cases

Consult a Colleague

A surgeon can ask a colleague for advice. This solution enables interdisciplinary collaboration with a common view and an easy information exchange*². No need for unnecessary trips to the OR along with all associated changing, sterilization, and more. Remote assistance can now be offered any time.

*² Please refer to the Telestration application software spec data sheet.

Share Information and Supervise

Allow a colleague to follow an intervention on a patient from his/her desk, in an auditorium, or from another OR. Use this to make surgery safer and more secure. Supervise a trainee securely over the intranet. Delegate in a responsible way using digital telepresence.

Teach a New Surgical Technique for Education

A hospital can organize small events such as ad-hoc student-oriented webinars or large events such as high-end local conference sessions. Attendees can see live surgical images and learn to improve their own skills.

OR Time Management

A colleague can monitor the surgery from his/her office or from another OR and give advice as needed, and the surgeon can optimally manage the agenda and procedures as planned. Medical staff can promptly start pre-operative preparations for the next operation.

Note: OR clinicians / surgeons decide whether or not to broadcast the video stream.

Key Features

Two-Way Audio Communication

While Broadcast streams video to locations outside the OR, it also enables voice communication via an optional IP audio set. Audio communication is very useful because surgeons can get a lot of information by seeing the live image and at the same time talking with their colleagues. The remote viewer allows the user to see the image and talk via a PC using the web browser application. Broadcast streams are encrypted and an administrator can control access, allowing only authorized personnel and PCs to receive the streams.

Web-Based Application

The web-based Broadcast does not require Windows® native application. Because browsers are pre-installed on the PC, medical staffs can use Broadcast anywhere they can connect to the hospital intranet. Hospital IT managers can maintain PC security easily and cost efficiently.

Quick Operation and Flexibility

Authorized users can view a video stream on their PC in another location only once this stream has been 'opened' for broadcast from within the OR. Just two button touches are enough to see the video: one to select the OR name and one to select the next video stream. The functionality of Broadcast is integrated in the NUCLeUS™ control interface optimized for OR usage. With a few touches, an active broadcast from one OR can be selected and projected onto any NUCLeUS OR screen in another OR. This application enables both OR-to-OR and OR-to-meeting room communication, which gives flexible viewing style.

Access Control

Clinicians are in full control of viewing.

Clinicians enable to control which sources are broadcast out of the OR. Authorized users can view these broadcasts via a browser on their PC after logging into the web-based application.

Specifications

Features	
Number of Parallel Video Stream per OR	Limitation is based on hospital network bandwidth and NUCLeUS Core capacity
System Requirements on Receiving PC	
Supported Browsers	Internet Explorer 11, Microsoft Edge, Mozilla Firefox, Google Chrome on Windows PC Mozilla Firefox and Google Chrome on Linux, Unix Firefox and Safari on Mac
Received Video Resolution/Bandwidth	1920 x 1080 (25 Mbps)
Video Security	https
System Requirements	
Hardware	Refer to NUCLeUS Core or NUCLeUS Compute data sheet for system requirements.

Ordering Information

Product reference;
Broadcast
Pro License
NU-BR30E
Pro+ License
NU-BR30F

For more details, please contact your nearest Sony dealer.
These products are non-medical devices.

Related Products

NUCLeUS Compute
NU-CP30B

Telestration
NU-TE30E

NUCLeUS Core
NU-CR30B

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