

5 proven benefits of IP-based video integration in the operating room

Independent healthcare consulting agency HICT developed a business model to measure the benefits of using an uncompressed IP-based video integration platform in the operating room (OR). Here's a summary of the most significant results.

1 Higher productivity

According to [a recent survey](#) performed by The Marketech Group, a good video integration solution should allow easy integration of devices (93%), consist of limited components (88%), be highly adaptable (75%), and allow for real-time communication in and between ORs (57%). The HICT study confirms that all of these prerequisites are met when using a compression-free IP-based video integration solution:



User-friendly plug & play reduces the need for technical support



Expansion or modification takes less time than with AV solutions



Fewer components and equipment minimizes training needs



Easier communication and better collaboration in and outside the OR

2 Improved ergonomics

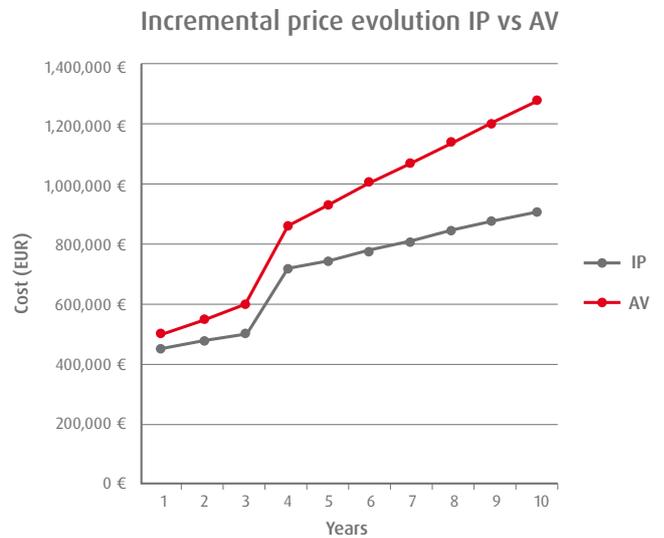
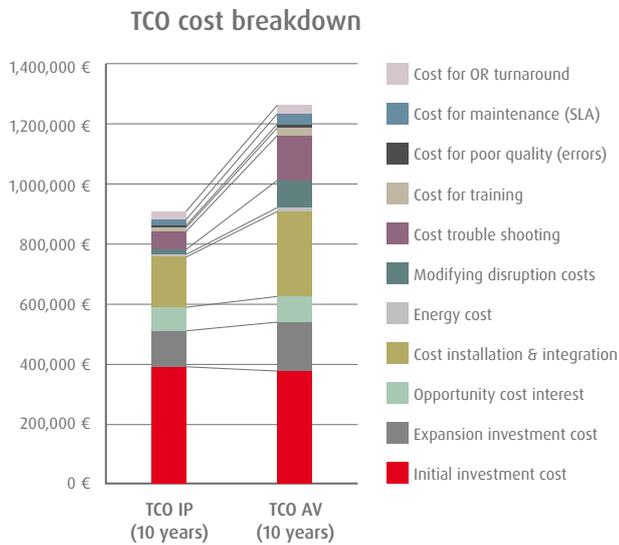
While central display of images during image-guided surgery is often seen as a challenge, the HICT research indicates that an IP-based video integration solution facilitates the centralization of information – all presented in the surgeon's working area, with no latency and without artefacts. Additionally, all devices can be set up in line with the specific requirements of a surgical procedure.

BARCO

Visibly yours

3 Lower operational expenses

As indicated by the HICT research, the overall investment cost for an IP video integration solution is significantly lower than for comparable AV systems. Although the initial investment cost might be slightly higher, this is almost immediately negated when taking into account all other costs (e.g. for energy, modifications, expansion, disruption, and training).



4 Higher staff satisfaction

The user friendliness of the IP-based system – though largely dependent on the way it has been integrated in the OR – has proven to have a major impact on nurse productivity and the overall way the surgical team works. Motivation, team collaboration, and situational awareness are greatly enhanced.

5 Increased hospital prestige

Respondents said that all of the benefits listed here are believed to have a medium to high impact on hospital prestige. Innovation, staff satisfaction, and an improved hospital bottom line – freeing up resources for additional investments – are key in increasing a hospital's reputation and may also positively impact surgeon retention.