



**Hillrom™**

## Helion™ Integrated Surgical System

Comprehensive Simplicity that Improves OR Efficiency



# INTUITIVE AND INNOVATIVE TECHNOLOGY

What if your care teams could achieve peak procedural performance with secure, high-quality connectivity throughout your surgical environment?

## **The Helion™ system redefines OR integration.**

As the core of the hyperconnected OR, the Helion Integrated Surgical System acts as a gateway at your fingertips - providing surgical teams with the comprehensive simplicity they need to enhance efficiency and flexibility within the OR. With the Helion system you can connect to:

- Vital patient information inside your operating room.
- Live video and imaging feeds during the procedure.
- The outside world to consult, teach and confer.

Give your care teams the tools they need to reduce interruptions and delays, allowing them to stay focused on the patient.



## INTUITIVE

With an award-winning design featuring a plug and play setup, an easy-to-navigate user interface, drag and drop capability, and quick access functions, the Helion system improves peak procedural performance.

## CONNECTED

Vendor neutral with multiple network communications options and full connection with hospital systems like PACS, HIS and EMR provide the ultimate quality and security for communication and collaboration.

## RELIABLE

8K ready, powerful, ultra high definition video routing with zero latency ensures you always capture significant surgical moments for your records while keeping your care teams working consistently and productively.



# A SINGULAR COMPREHENSIVE SOLUTION

AN INNOVATIVE SOLUTION FOR ENHANCED USABILITY

The Helion™ System increases the efficiency of your procedural workflows - from streamlined acquisition and accelerated setup to advanced connectivity and smoother room turnover.





## Intra-operative Efficiency

Balance patient safety with operational efficiency and throughput. Seamlessly manage the connection to all your equipment while focusing on your patient and the surgery at hand.

- **Rapid Room Setup** – Quickly establish preset room configurations with one-touch functions and pull patient information from the EHR or PACS, all from a single touch screen, to accelerate room setup and turnover.
- **8K Ready** – Various video resolutions, up to 4K with full 3D support and 8K ready, give ultra high-definition details in real-time, providing clear visibility to patient images, improving surgery quality and enhancing collaborations.
- **Intuitive Technology** – Achieve excellent performance with minimal effort through drag-and-drop control, automatic video source detection, simultaneous access to live previews, split-screen views and recording and conferencing shortcuts.



## Enhanced Staff Communication and Focus

Poised to give care teams more visibility and control while caring for patients, the Helion system's intuitive technology enriches collaboration to keep you informed and help you avoid delays.

- **Facilitate staff communication** – Connect with external staff through high-definition video conferencing and streaming capabilities, to improve patient outcomes.
- **Promote team confidence** – Immediately access information when you need it with high-performance video technology through zero latency routing, fail-safe video recording and image capture for two sources, and options to export saved files to PACS or network folders.



## Complete Servicing

We provide total customer support with surgical solutions tailored to your clinical and technical needs so your surgical teams can perform at their best.

- **Total Assistance** – Experience extensive servicing from system design to ongoing support as you create the integrated surgical system suitable for your needs.
- **Remote service** – Once you've selected your Helion system configuration, we'll be there every step of the way with remote support through faster, COVID-friendly virtual service calls.

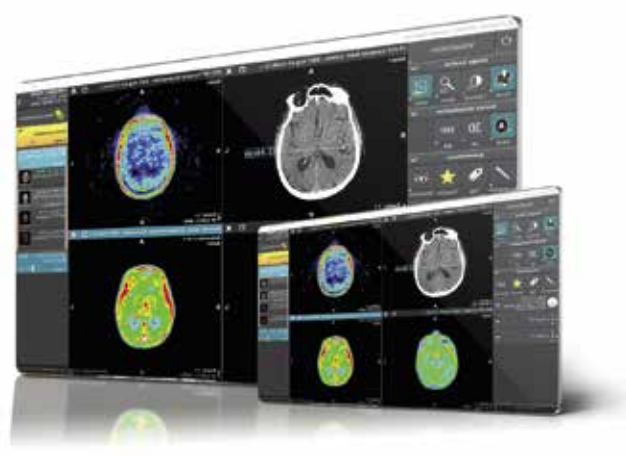
# STATE-OF-THE-ART VIDEO INTEGRATION TECHNOLOGY: REDEFINING ORI

With the integrated Fluid and Anywhere solutions from Therapixel, the comprehensive Helion™ system can improve your OR's workflow, data processing and access for better time management – and better patient outcomes.



## Fluid – Touchless Gesture Technology

This advanced navigation system allows you access to medical images – acquired before or during surgery – without touching the screen or using voice commands. Through our motion sensor technology, your hand gestures can transform into control commands for the system, preserving the sterile condition and improving efficiency.



## Anywhere – Unlimited Access and Power

Provide remote access to colleagues for consultation with image viewing, manipulation and annotation through our Anywhere technology. You can collaborate in shared sessions no matter where you are – on PCs or mobile devices – so you can get the information you need, when you need it.

# SPECIFICATIONS

## MAIN WITH 4K UNIT

Supported functionalities	Routing / Recording / Conferencing / Streaming / Device and Room Control / Surgical Checklist / Presets Management / Multiview / Patient ID Manager / Media Editing/ Audio Management
Video channels managed	24 Input x 24 Output
Supported resolutions	Up to 4k with full 3D support
Cabling technology	CAT 7 or optic fiber
Touchscreen	24-inch or 27-inch, capacitive, resolution 1920 x 1080p
Aspect ratio	16:9
Touchscreen native resolution	1920 x 1080
Audio Input	3 Mic, 2 Aux Stereo, 1 Videoconference
Audio Output	2 Stereo amplified 2 Stereo non-amplified 1 Video conference
RS232 port for control of devices	12
Recording channels	2 simultaneous recording channels
Protocols / Synchronization	DICOM / HL7
Special Recording functions	Time Shift Recording, MATS
Streaming HW	FullHD 1080 60fps with talkback function
Dimensions Main Unit / UHD unit	133 x 430 x 450 mm / 44 x 430 x 450mm (5.24" x 16.93" x 17.72" / 1.73" x 16.93" x 17.72")
Power	100-240 V 50-60 Hz AC, 2x (1 for Main Unit and 1 for 4K/UHD Unit) EN 60601-1
USB ports	3x USB 3.0, 2x USB 2.0
Weight Main unit / UHD unit	13.5 kg / 8 kg (29.76 lbs / 17.64 lbs)

## CONFERENCE UNIT SPECS

Standard Video	H.263, H.263+, H.263++, H.264, H.264 High Profile, H.264 SVC. Encoding up to 1920 x 1080p 60fps
Input Video	2 Input: 2 x HD video in (1080p60/720p60)
Video Output	2 Output: 2 x HD Video Digital out (1080p60)
HD Audio	MicPod 100Hz fino a 16 kHz, MicPod 100Hz up to 16 kHz Mute button
Dimensions	44 x 430 x 450mm (1.73" x 16.93" x 17.72")
Weight	8 kg (17.64 lbs)
Power	100-240 V 50-60 Hz AC medical grade EN 60601-1



**Hillrom™**

## ABOUT HILLROM

Hillrom is a global medical technology leader whose 10,000 employees have a single purpose: enhancing outcomes for patients and their caregivers by advancing connected care. Around the world, our innovations touch over 7 million patients each day. They help enable earlier diagnosis and treatment, optimize surgical efficiency and accelerate patient recovery while simplifying clinical communication and shifting care closer to home. We make these outcomes possible through connected smart beds, patient lifts, patient assessment and monitoring technologies, caregiver collaboration tools, respiratory care devices, advanced operating room equipment and more, delivering actionable, real-time insights at the point of care. Learn more at [hillrom.com](https://hillrom.com).

**Comprehensive simplicity starts with the right integrated surgical system.  
Learn more about the Helion system at [hillrom.eu](https://hillrom.eu).**

**[hillrom.eu](https://hillrom.eu)**

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The Helion™ system is a regulated healthcare product which, pursuant to such regulation bears a CE mark. Hill-Rom recommends that you carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices. Hill-Rom reserves the right to make changes without notice in design, specifications and models. The only warranty Hill-Rom makes is the express written warranty extended on the sale or rental of its products.

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