

# The Synergy System

The Synergy OR Integration Suite is equipped with the latest in 4K imaging, integration, fluid management, and resection technology. This state-of-the-art technology can increase efficiency, lower the cost of ownership, and positively impact the patient experience.

Designed and manufactured at Arthrex California Technology in Santa Barbara, CA, the Synergy<sup>UHD4™</sup> system revolutionizes endoscopy image management and OR integration as the first autoclavable 4K camera system with comprehensive OR and EMR integration capability.



**Experience the new technological innovations**

in OR imaging and integration technology with the Arthrex Synergy<sup>UHD4</sup> 4K imaging system, combining a true 4K ultra-high-definition camera, LED light source, and image management into a single console



## Preoperatively

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Using the Synergy<sup>UHD4™</sup> 4K video platform, we can directly link patient information from the hospital EHR or scheduling system, eliminating manual data entry and transposition errors and ultimately saving time and money. Our customized approach to data integration seamlessly connects the Synergy platform to your OR.

## Intraoperatively

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The Synergy<sup>UHD4</sup> console is a 3-in-1 platform containing the camera control unit, LED light source, and image and video capture device in a single, small console. Controlled by a simple-to-use tablet interface, the Synergy<sup>UHD4</sup> system minimizes staff training and confusion, and can automatically populate patient information and surgeon preferences. This innovative design saves space on the cart or equipment boom and allows room for other critical devices. It also reduces set-up time and device complexity, allowing nurses to focus on patients instead of equipment.



Arthrex was the first company in the world to produce a surgical camera system with 4K native video that delivers true 4K throughout the system, from the scope to the monitors. 4K resolution is 4 times higher quality than 1080p and we've coupled this with superior 10 bit color, providing 58 times the color compared to 1080p and many competitive 4K systems. This combination of resolution and color produces the highest quality, most life-like video available. The 4K image allows surgeons to visualize anatomy in greater detail and thus helps them to treat their patients better.

An additional feature is the heads-up display that connects the Synergy<sup>UHD4</sup> camera system to the Synergy resection, pump, and bipolar RF consoles to enable real-time information on flow, pressure, power, speed, etc to be shown on the surgical monitor. This unique innovation ensures surgeons can always access critical systems information in the field of view.

Our Synergy.net™ platform allows for centralized storage of surgeon settings to ensure that all video systems function the same regardless of the OR. This feature permits surgical staff to confidently set up cases with minimal effort regardless of prior knowledge of surgeon preferences for video, pictures, and settings.

## Postoperatively

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After the completion of surgery, the Synergy<sup>UHD4</sup> console can send all images electronically to the desired location on the hospital network. This seamless connection to PACS, EHR, or VNA via Synergy.net sends the intraoperative images to their desired location for long-term storage.

The Arthrex Synergy Surgeon App™ software allows surgeons to annotate surgical images for presentation to the patient's family in the waiting room. A HIPAA-compliant email can also be sent to the patient with the intraoperative pictures and videos as well as discharge instructions, links to the facility, and any other information in a pre-made template. We even offer the option to send a short, personalized FaceTime®\* video from the surgeon to the patient. These features can reduce or eliminate printing of pictures in the OR, saving time and money and reducing the potential for a HIPAA violation. This is an impactful solution for better surgeon-patient engagement and communication. The SurgeonVault® component of the Synergy Surgeon App™ program provides HIPAA-compliant cloud storage of the surgical pictures and video to allow remote accessibility and importing into practice EHR systems.

\*FaceTime is a trademark of Apple, Inc.



Furthermore, the Synergy systems were designed with a priority on security. Arthrex continues to lead the market with Active Directory integration, de-identification of patient information, and secure media exchange designed into the Synergy system at no additional cost.

In addition, the Synergy.net™ solution has a network printing option that facilitates printing to a more economical and serviceable networked printer. This will eliminate the need for individual printers in the room that are prone to issues and disrupt workflow.

Our SynergyUHD4™ 4K camera heads are fully autoclavable, which allows for faster turnover and leaner inventory. Our UHD4 cameras are so durable against moisture intrusion that we offer an industry-leading 7-year warranty.

## Facility Value

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Arthrex drives value through innovation. Our software-based solution increases performance and functionality over time, making the system more capable and valuable throughout the life cycle. We deliver multiple software updates to the system each year at no additional charge. This service provides your surgeons and staff with new functionality on a continual basis without having to invest in new hardware or systems. In addition, the system is designed with remote monitoring capabilities to minimize OR down time.

As a privately held company, we are dedicated to providing solutions that help surgeons treat their patients better and ultimately provide better patient outcomes. This means we do not have to satisfy shareholder expectations and we can focus 100% of our efforts and energy on exceeding customer expectations and driving clinically superior technology.

Arthrex Synergy is more than just a video system, it is a platform that combines better optics, electronics, ergonomics, workflow, and connectivity. At the rate in which technology advances, partnering with a company that is dedicated to the mission of providing leading technology that improves surgical outcomes into the hands of the surgeons is vital to staying ahead of the technology curve.

We are the market leaders in 4K visualization, 4K integration, custom EHR integration, and surgeon-patient enhancement applications, and we are committed to continuous innovation and advancement of medicine.

**The Synergy<sup>UHD4</sup> system is the future of minimally invasive surgical imaging built for every patient, surgeon, OR staff member, and cost-conscious administrator.**



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