OLYMPUS

EASYSUITE™

ES-IP iOR System

4K Ultra High-definition Operating Room Integration



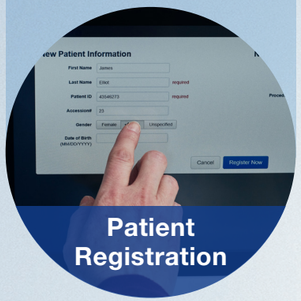
Take Control of Your OR

Follow Your Natural Workflow

The ES-IP iOR System Allows You To Follow Your Natural Clinical Worklfows to Access the Data, Expertise, and Visual Information You Require To Make Critical Decisions and Deliver Quality Care to Your Patients

Preoperative › **Intraoperative** › **Postoperative**

Streamline and standardize your patient registrations by presenting a list of patients from which to choose.



Patient Registration

Automate surgical safety to reduce the risk of errors using the time-out tab's surgical safety check-list to guide your team's communication, verification and preparation before commencing the procedure.



Surgical Time-out

Tile and share critical uncompressed video and images from multiple video sources with surgical team members to enhance visualization, precision and collaboration during the procedure.



Tiling and Routing 4K/3D

Mask certain portions of a streamed and/or recorded video to help protect and secure your patient's personal health information. Video routed within the procedure room remains untouched.



PHI Masking

Adjust key video snippets to an appropriate length before sending it to PACS (MIMPS) or EHR systems.



Post-procedure Video Editing

Patient Greeting System



Soothing music and video greets patient as they're wheeled into the OR.

Device Control Integration



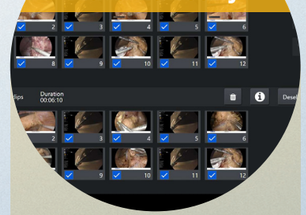
Enables 'Touch-to-Return' functionality on the Olympus® medical device control unit UCES-4.

Capture and Record HD/4K



Record multiple video inputs with the ES-IP dual channel 4K/HD recorder.

Archive Automatically



Automatic content storage at case finish. Print specific images on demand after the procedure.

Connect Across the Continuum of Care

Centralize Patient Information, and Collaborate with Colleagues

Unify your Patient's Record

- The ES-IP iOR system includes image content management which can aid in unifying your patient record by integrating procedural videos and images with hospital information systems.
- The VaultStream™ content management software seamlessly integrates with most major EHR vendors, MIMPS/PACS and VNAs.



Connect with your Patients

The EasyView™ web-based application, provides you with the ability to securely access, view, label, and share surgical images and video content from anywhere on the hospital network, so you do not need to be in an office to share findings with your patients.



Accelerate Team Training

- Busy clinicians can remotely view OR room cameras and video sources on the LiveStream™ video network.
- Live surgical video and the broadcast across hospital network, providing access to colleagues outside the OR and enabling remote learning.



Optimize Room Utilization

Leverage the power of videos to create a visual scheduling tool for your nursing staff, and enable realtime monitoring of the operating room state in a single glance.





Help Keep Your Patients and Hospital Safe

Multi-layered Security Architecture

The ES-IP iOR system was developed by Olympus® software engineers trained on OWASP/ASVS and SANS/CWE security standards. The iOR solution underwent third-party[1] penetration testing to check for exploitable vulnerabilities in devices and web applications.



Patient-level

Protect against unauthorized access to sensitive protected health information (PHI) with control features including:

- Authentication management.
- Named user accounts.
- Unique login credentials.

Medical Device-level

Prevent bad actors from accessing the data stored on the device using:

Hard drive and USB drive encryption via the Microsoft BitLocker application.

Procedure Room-level

Safeguard against security threats in the OR with:

Certificate-based architecture secures connections between devices and rooms—refuses access to unknown devices.

Hospital Network-level

Your hospital IT department maintains control by using:

- Server components running on virtual machines provided by the hospital and leveraging the hospital's Active Directory authorization functions.
- The Windows IoT platform with Automated Software Update Service capability to keep Windows Defender Antivirus and ransomware protections up to date.

[1] Penetration testing completed in 2023 by Black Hills Information Security

Design the OR Right for You

Tailor to Enhance the Efficiency of Your Clinical Workflows



The ES-IP iOR system is a scalable fiber-based visualization solution for a wide range of medical treatment locations to standardize clinical workflows throughout your healthcare system.

With experience completing installations at community, multi-campus metro, and children's hospitals, as well as world-renowned academic teaching facilities, Olympus is a trusted integration partner for new builds and renovation projects alike.

Hardware Options and Features	Software Options and Features
Audio	**Collaboration**
Personal audio wireless microphone	Live video streaming
Standard speakers	Visual Status Board
Personal music control system and convenient audio and charging interfaces	
Cameras	**Content Management**
Pan/Tilt/Zoom (PTZ) IP cameras	Automatic content storage delivered at case finish
Fixed IP cameras	Enterprise access via EasyView application
	Automatic Background Recording
Displays and Touch Panels	Post-procedure video editing
22" medical-grade touch panel	**Enterprise and HIS integration**
27" 4K surgical field display	DICOM | PACS/ MIMPS | VNA
32" 4K/3D surgical field display	HL7 | EMR/EHR
43" 4K wall display	**Workflow Modules**
49" 4K wall display	Patient Greeting System
55" 4K/3D surgical field display	Safety Checklist Manager
55" 4K surgical field display	**Advanced Visualization**
55" 4K wall display	Display multi-view tiling (PIP/Split/Quad)
65" 4K wall display	Live Preview

Hardware Options and Features	Software Options and Features
Encoders and Decoders	**Security**
4K DVI/HDMI	Microsoft Enterprise IoT platform
4K-SDI	Microsoft AppLocker Whitelisting
HD-DVI	Windows Defender
HD-SDI	Windows Server Update Service
SV/COMP/VGA	3rd-Party Penetration Testing
Image Capture	Code developed by software engineers trained on OWASP/ASVS and SANS/CWE security standards
4K or HD	
Video Recording	
4K or HD	
Single or dual-channel recording	
Printers	
Variety	
Racks	
Low profile, under desk racks	
Remote rack (Optional)	
Universal Power Supply (Optional)	
Routing Switch	
28-port fiber switch	
48-port fiber switch	

Full-service Solutions	Warranty and Support
Drawing and Design Services	One-year warranty included
Consultation with Integration Specialists	Annual and extended service contract options with scheduled preventative maintenance visits
Project Management	24×7 technical support
On-site installation	Applications and system hardware
On-site and remote training	Local field service
	Remote diagnostics

ES-IP iOR System

Make the Right Investment Decision

The Olympus® portfolio offers a comprehensive ecosystem of general and minimally invasive surgical solutions for your hospital to elevate patient care and empower healthcare professionals across specialties.

Olympus offers a broad range of services to healthcare professionals and customers, including peer-based training information, training tools, and videos on infection control and reprocessing; authorized repair services and support on Olympus equipment.

Olympus Financial Services™ provides cost-effective solutions that can help your facility with the acquisition of Olympus medical products and services through customized contract models and unique payment options.



Contact Us

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Videos streamed/captured, and images captured by the ES-IP iOR system and sent to the Electronic Health Record Systems by the VaultStream server software are only intended for documentation of medical surgical procedures and for the exchange of information are NOT to be used for diagnosis or treatment.

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