



Digital Operating Room
Integration Systems



Welcome to the future of Operating Rooms with Esbee Dynamed's digital platform, CREA!

In an era where the healthcare landscape is evolving rapidly, with an increasing number of connected devices in the OR, CREA ensures robust integration using state-of-the-art technology. As medical practitioners strive for greater precision and innovation through the induction of robotics and artificial intelligence, our product can aid you to stay at the forefront of advanced patient care.

With CREA, experience ultra high-definition imaging and display solutions, with secure, scalable, efficient management of surgical records, and seamless integration of data, customizable according to the unique needs of your hospital.

Operating Room Workflow Integration

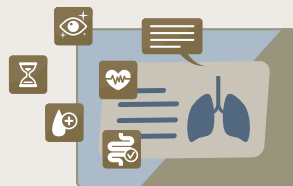


Presurgery

CREA streamlines preparations by providing a comprehensive surgical worklist

During Surgery

CREA provides Real-time Recording, Routing and Documentation, allowing remote collaboration for expert opinion, consultations, and learning, with live streaming and bidirectional communication.



Post surgery

CREA allows seamless workflow for editing, secure archival and retrieval of surgical data, compliant with DICOM standards.

Why choose CREA?

Connected Collaboration:

OR integration systems allow for faster data sharing between different departments, leading to better patient care.

Simplified Documentation:

Say goodbye to tedious data searches, disruptions, errors, and slow transfers and experience streamlined retrieval of records and increased time efficiency with CREA's standardized documentation and centralized storage.

Seamless Integration:

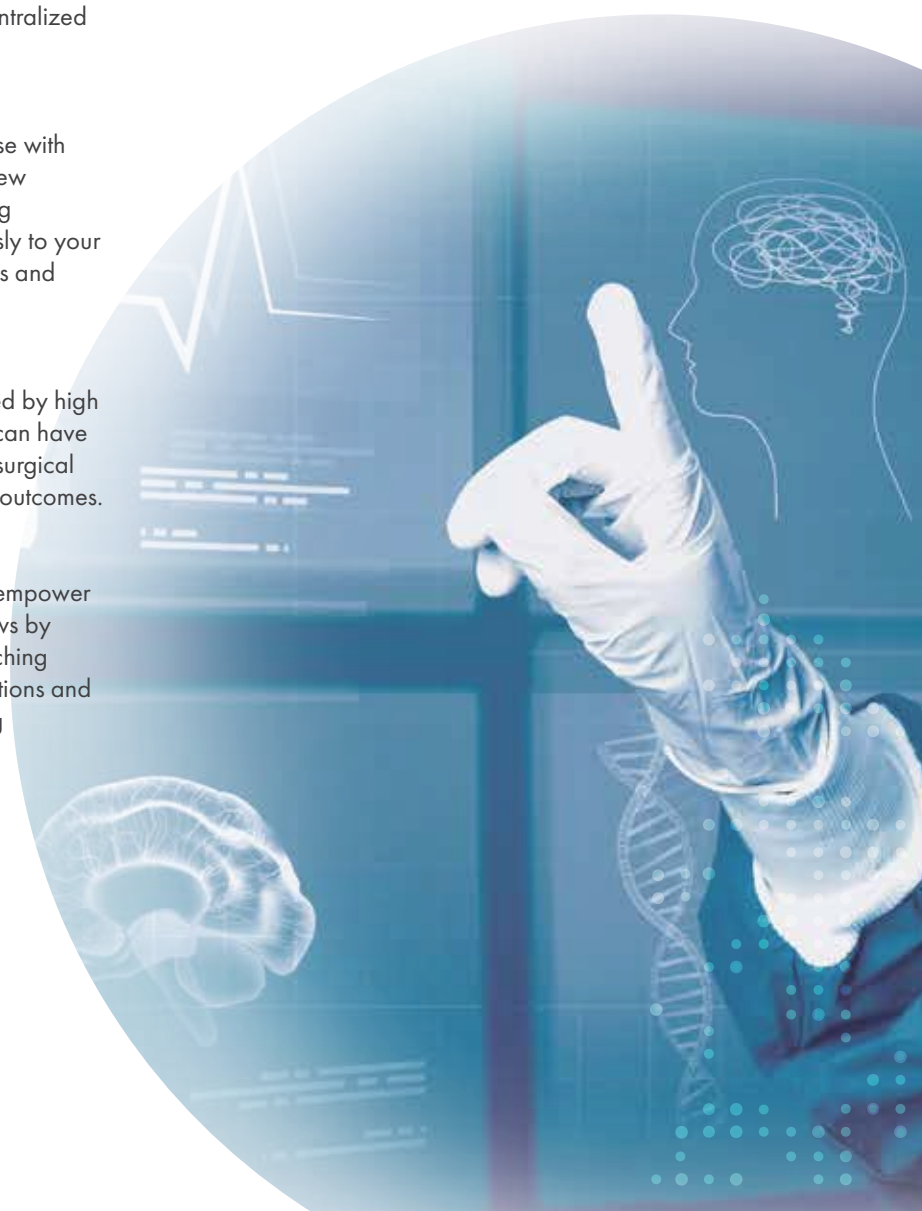
Enjoy the ease of deployment and use with CREA, whether you're setting up a new operating room or enhancing existing infrastructure. CREA adapts effortlessly to your needs, with extensive project services and backend support.

Consistency in Care:

Comprehensive case reviews enabled by high definition video and image capture can have the potential to reduce variability in surgical approach and contribute to positive outcomes.

Educational Empowerment:

Facilitate real-time expert opinions, empower junior physicians through case reviews by peers and seniors, and ease the teaching workflow for live surgical demonstrations and conferences for an enriched learning experience.



CREAessential

The Entry point to a Digital OR



Recording

- Simultaneous recording of two high-definition input sources.
- Ability to record side-by-side.
- Recording duration can be tailored as per required segments.



Image Capture

- Snapshots in Full High Definition for precise and detailed visual documentation.



Media Export

- Effortless export of recorded media with associated metadata to the hospital network.
- Export of images in DICOM format directly to PACS. (coming in V2)



Streaming and Viewing

- Access and review recordings of completed surgeries from any location within the hospital network, without the need for additional components.



Third-Party Application Integration

- Incorporate third-party applications as widgets, enhancing the versatility of the system to meet specific workflow requirements.

CREA - versatile and modular

CREAintermediate

For Large integration needs



Recording

- Freely choose any 2 of 4 or 8 inputs



Streaming and Viewing

- View multiple input streams simultaneously, aiding in enhanced monitoring and analysis.
- Options of viewing monitor console with a 55-inch, 4K resolution screen.



Design

- In-wall, zero footprint design, well suited for Modular ORs



Data Integration

- Centralized management of all functions.



Video Conferencing (optional)

- Encourage real-time collaboration, remote consultation, and increased participation.



Client Server Architecture (optional), web based design

- Seamless workflow for planning, post care coordination and patient.





CREAcustom

Tailored Features for Advanced Needs

High level of flexibility and adaptability.

Custom Functionality according to the specific requirements of the medical facility.



Custom Software Development

- Bespoke solutions that align precisely with the operational needs of the users.



Data Integration

- Integration with Picture Archiving and Communication System (PACS) and Hospital Information System (HIS). Allows you to opt for a matrix system or an advanced IP-based setup.



Large Scale Project Execution

Whether it's integrating multiple operating rooms, further connecting them to conference rooms or auditoriums, our expertise ensures smooth implementation.



Custom AV room fit outs

CREA Surgical Video on Demand Platform (SVoD)

Surgical content library at your fingertips

Videos and snapshots from the OR, crucial for patient medical records, reporting and legal documentation, present challenges in storage, retrieval, scalability, safety, and administration.

CREA's SVoD provides Seamless Video Archival and Retrieval :

- A simple, highly scalable, seamless, and secure solution for archival and retrieval workflows.
- A vendor-neutral archive compatible with any recording device* ,
- Automatic export of recorded media from the local computer/drive to the SVoD platform.
- Optimised resolution based on available viewer bandwidth.
- Flexible deployment options, either on-cloud or on-premise.
- Secure login
- In-built media player for fast content review.
- Automatic deletion of data after the specified retention period, ensuring compliance with data management policies.

* subject to technical compatibility checks.

At Esbee Dynamed, we believe that SVoD can not only streamline current workflows, but can pave the way for machine learning and AI integration through data-driven decision-making in the field of healthcare.

Hardware

- Windows platform designed for flexible and 24/7 operations.
- Choice of deployment options ranging from in-wall consoles, on-wall system to cart based integration.
- Powder coated finish in RAL colors.
- Multiple display options including FHD, 4k and 3D.



CREA Project Management Services

Your gateway to digital operating rooms with our highly qualified and experienced support team.

- Comprehensive project consulting which includes decoding customer requirements and providing custom software solutions.
- Planning team that offers expert guidance, from conceptual layouts and workflow analysis to seamless software integration.
- Technical Support Team guarantees thorough planning, proper installation, and full utilization of the Digital OR.
- Hand Holding users through transition to digital OR.
- Installation Engineers and Specialists to ensure optimal integration within complex hospital IT environments.
- Fast and effective support - on-site and remote.







Made in India by Esbee Dynamed Pvt Ltd.
Software developed in India by Esbee Dynamed and Coact
CREA TM (applied for)

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