



CureVision OR Integration System

One vendor. Every layer of the OR.

Challenges in Modern Operating Rooms.



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— CHALLENGES IN MODERN OPERATING ROOMS

Running a modern OR means managing multiple vendors, disconnected systems, and rising regulatory pressure — while keeping surgical teams focused and patients safe.



Patient Safety & Compliance

- Patient Safety Risks from Disconnected Systems
- Difficulty of Recording and Archiving Procedures
- Lack of Evidence in Malpractice Lawsuits



Data & Workflow

- Manual, Time-Consuming Workflows
- Data Overload with No Central System
- Fragmented Information Across Systems



Collaboration & Access

- Lack of Interoperability Across HIS, PACS & EMR
- Inefficient Access to Medical Images
- Limited Real-Time Collaboration



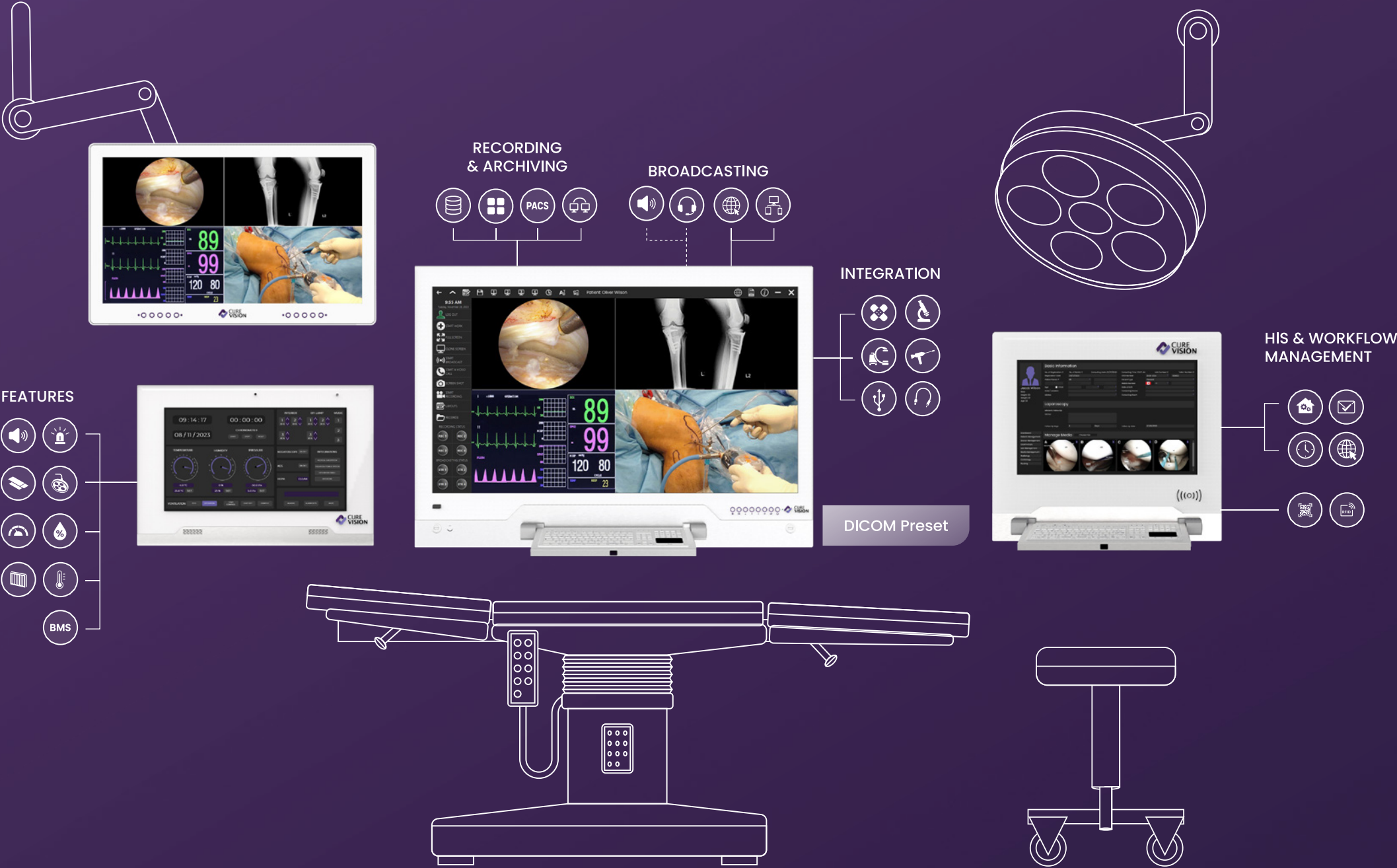
THE CUREVISION PLATFORM

One Platform. Every OR. Full Accountability.

CureVision connects imaging, documentation, HIS/PACS data, and surgical devices into a single, certified platform — designed, engineered, and manufactured in-house.

From hardware and software to integration and long-term support, every layer of the system is designed, delivered, and supported by CureVision.

PRODUCT ARCHITECTURE



MDR
Class I
REGULATION
(EU) 2017/745

MDR Class I

IEC

IEC 60601-1

IEC

IEC 60601-1-2



WHY CUREVISION

One Vendor, Complete OR Coverage

Hardware, software, integration and support all from CureVision.

Certified & Documented

MDR Class I, IEC 60601-1, IEC 60601-1-2 EMC compliant, with full documentation ready for biomedical and legal review.

Deployed & Supported Locally

Active across multiple continents, with local partners who understand regional procurement, language, and regulatory requirements.

Built In-House, End to End

Hardware design, software development, system integration and certification are all done by CureVision's own team of 50+ specialists — not outsourced.

Scales With Your Facility

Modular architecture grows from a single OR to a multi-theatre surgical center without a full system replacement.



PATIENT SAFETY & COMPLIANCE

Where patient risk meets legal and regulatory accountability.

Challenge	Solution	Benefit
Patient Safety Risks from Disconnected Systems	Real-time monitoring and centralized control of surgical instruments and vital signs, plus smart environmental management (temperature, humidity, airflow, HEPA filtration) that maintains sterile conditions automatically.	Fewer manual touchpoints in the sterile field, faster response to vital-sign changes, and continuously validated environmental conditions — without adding staff workload.
Difficulty of Recording and Archiving Procedures	High-definition video capture with structured, searchable archiving — stored on a certified platform, not a patchwork of local drives.	Faster access to historical case footage for training, peer review, and research — with an audit trail your biomedical and legal teams can rely on.
Lack of Evidence in Malpractice Lawsuits	Full procedural recording and archiving stored on a certified, auditable platform — with MDR Class I and IEC 60601-1 compliance documentation available on request.	A defensible, complete record when a facility needs to demonstrate what happened in the room — reviewed and ready for legal or regulatory scrutiny, not reconstructed after the fact.



DATA & WORKFLOW

Where operational efficiency breaks down without a single connected system.

Challenge	Solution	Benefit
Manual, Time-Consuming Workflows	AI-assisted documentation with voice-activated controls — imaging, lights, and monitors managed from one console, and surgical reports generated automatically instead of typed after the fact.	Less time for data entry, more time for the next patient — and fewer transcription errors in the permanent record.
Data Overload with No Central System	Centralized, structured data storage that consolidates every OR data stream into one certified platform instead of scattered local systems.	Faster retrieval, less duplicate data entry, and one place biomedical/IT teams look when something needs to be audited.
Fragmented Information Across Systems	One unified control interface with a centralized database architecture — imaging, documentation, HIS data, and surgical devices in a single platform.	One source of truth per case, reducing the miscommunication risk that comes from five different systems holding five different versions of the same information.

COLLABORATION & ACCESS

Where connectivity — to data, images, and people — determines how fast decisions get made.



Challenge	Solution	Benefit
Lack of Interoperability Across HIS, PACS & EMR	Direct connection to your existing HIS, PACS, and EMR — patient records, imaging, and procedure data appear inside the OR the moment they're needed, with no system switching.	Surgical teams stop navigating between systems mid-procedure. Decisions are made with complete information, not partial data pulled from memory.
Inefficient Access to Medical Images	High-definition, multi-modality imaging with real-time processing, plus direct recording and retrieval from your PACS.	Sharper visual reference during the procedure and immediate post-op access to imagery — no waiting on a separate radiology workflow.
Limited Real-Time Collaboration	Secure live video streaming for telemedicine and remote consultation — bring in a remote specialist or stream to a training center without adding physical infrastructure.	Access to expert input in real time, and an easy way to extend teaching cases beyond the room — without compromising patient data security.



One vendor. Every layer of the OR. Full accountability.

Request a demo tailored to your OR environment — our team will walk you through integration options, compliance documentation, and implementation timeline.

Request
a Demo 

Contact