



Case Study: SRTR GMC Ambajogai, Maharashtra

Empowering Connected Surgical Care with Infini Connect 4B – 4x4 OR Integration Solution

About the Institution

Swami Ramanand Teerth Rural Government Medical College (SRTR GMC), located in Ambajogai, District Beed, Maharashtra, is a leading government medical institution serving as a tertiary care hub for the region. Known for its excellence in surgical disciplines and academic programs, SRTR GMC sought to modernize its operating rooms with next-generation OR Integration technology. Visit: <https://www.srtrmca.org/>

The Challenge

Before integration, SRTR GMC's operating rooms functioned independently with disconnected imaging and recording systems. The absence of a centralized video management and routing platform limited efficiency and training opportunities.

Key Challenges:

- Disconnected imaging and recording systems limited surgical workflow efficiency.
- Absence of centralized control for routing, viewing, and data storage.
- No integrated solution for live streaming or training sessions.
- Lack of direct PACS access inside the operation theatre.

The Solution: Infini Connect 4B

EPMD (OR Infinity) deployed the Infini Connect 4B - 4x4 Fully Integrated OR Solution across four operating theatres at SRTR GMC. This system unified surgical visualization, recording, and collaboration within a single intelligent interface.

Key Highlights:

- 4K Multi-Source Input Handling (up to 4 sources per OT)
- Real-Time Video Routing to any display inside the OT
- Integrated Recording & Live Streaming over hospital LAN
- Integrated Wireless Microphones for synchronized audio narration by Surgeons
- Integrated 2-way Audio Video Conferencing system
- Multiview options (PIP/PAP/Quad) for Viewing, Recording, Streaming & Video Conferencing
- 21.5" Medical Grade Touchscreen Interface for full control and preview
- PACS Viewing Monitors integrated for immediate image reference
- 1TB Secure Storage with HIS/PACS integration (DICOM compatible)
- Full HD PTZ camera for monitoring Ots



Results & Impact

- Integrated Visualization: Surgeons can view multiple sources simultaneously.
- Instant PACS Access: Real-time viewing of diagnostic images inside the OT.
- Enhanced Training: Live streaming of procedures to lecture halls and classrooms.
- Improved Documentation: Patient and procedure data auto-linked with recorded cases.
- Faster OR Turnaround: Simplified routing and source switching reduced setup time.

Client Feedback

“The new integrated setup has streamlined our workflow and enhanced our teaching sessions. We can now demonstrate live procedures to students and access patient imaging instantly — a major step forward for our surgical departments.”

— Department of Surgery, SRTR GMC Ambajogai

At a Glance

Client	SRTR Government Medical College, Ambajogai
Location	Beed District, Maharashtra
Project Scope	4 Operating Theatres
Solution Implemented	Infini Connect 4B (4x4 Integrated OR System)
Key Features	4K Recording, Routing, Live Streaming, Video Conferencing, PACS Integration, Integrated Audio,
Outcome	Enhanced Collaboration, Better Documentation, Faster Setup, Improved Teaching Efficiency

Ready to Transform Your Operating Theatres with EPMD - OR Infinity?

Visit: www.epmdgroup.com or Contact: info@matrixmedicals.in