

AXIS PARTNER SOLUTION

# Remote patient monitoring

Safeguard patient care and optimize workflows.

EPIC MONITOR ECAL

**Epic**

**AXIS**  
COMMUNICATIONS

## Epic critical care integrations with AXIS Camera Station

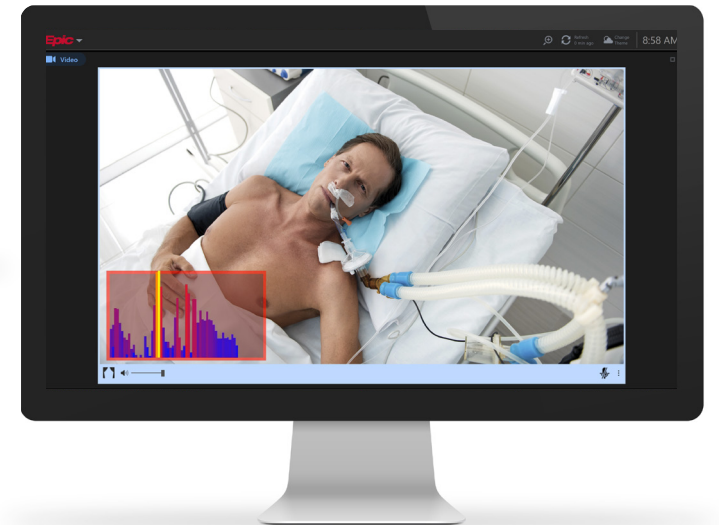
Epic Monitor allows healthcare practitioners to monitor patient's vital signs, such as blood pressure, heart rate, etc. Integrating AXIS Camera Station software with Epic Monitor ECAL provides assistive technology to help monitor patients and maintain a higher level of care. In-room cameras with audio capabilities and built-in analytics, coupled with electronic medical record, allows healthcare practitioners to observe patients in real-time. This solution offers a more efficient remote monitoring of more patients with fewer resources.

Axis's integration with Epic ECAL (Embedded Context Aware Linking) is a collaboration between Axis and Epic to form remote Tele-Sitting and Tele-ICU (intensive care unit) workflow aggregation.

AXIS Camera Station video management software provides the Epic linking required for device assignment, multi-view observation, camera view control, two-way audio control, pre-recorded phrases based on the patient's preferred language, and notifications based on camera analytics of in-room events all within Epic Monitor.



*Live video and audio functionality from AXIS Camera Station integrated in Epic Monitor ECAL for quick and secure data transfer. AXIS Audio Spectrum Visualizer can display an audio spectrum to alert the operator.*



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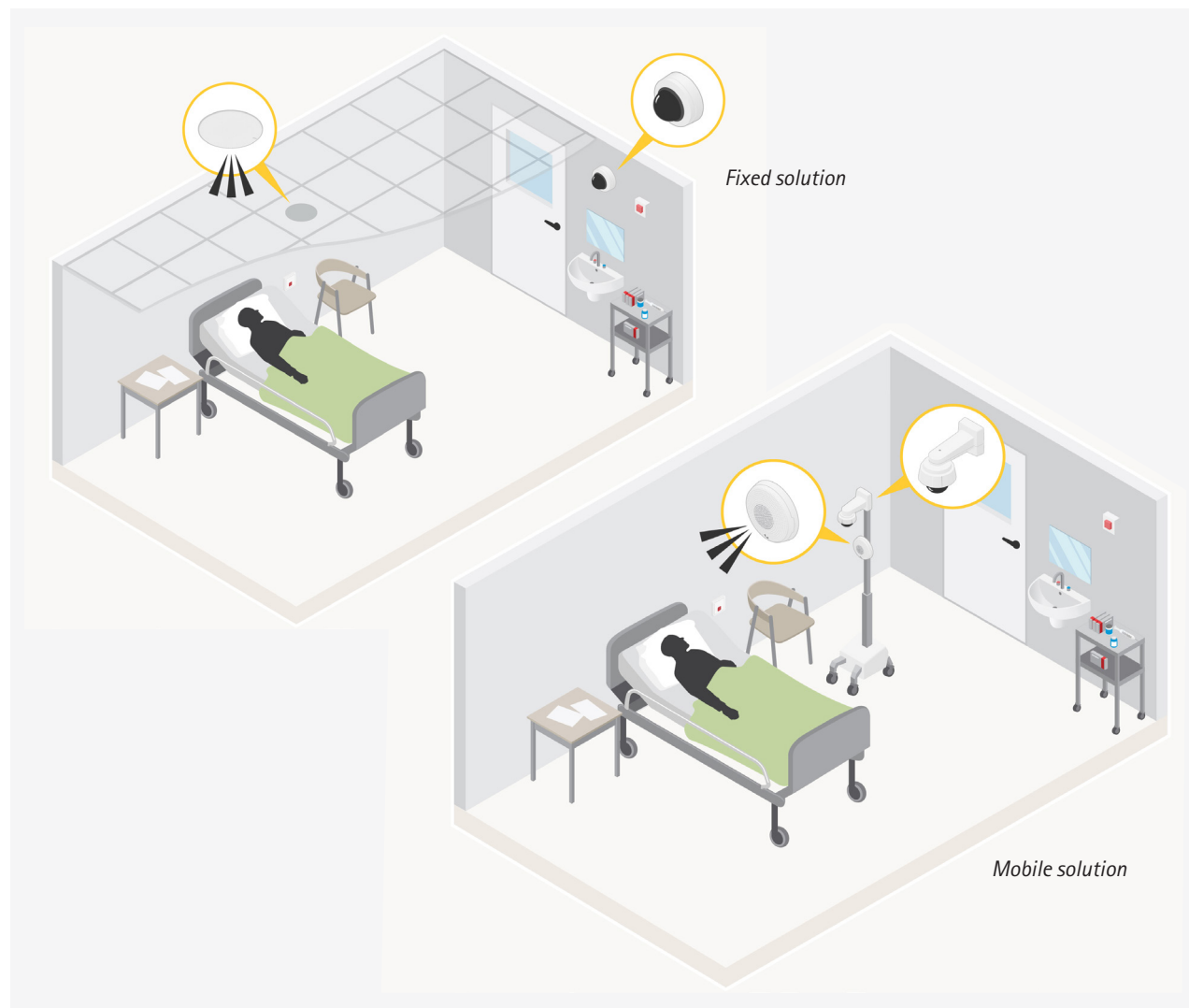
## Overview

Since the cost of a one-to-one caregiver or somebody to sit with the patient is a considerable investment for hospitals, the introduction of remote patient monitoring offers a possibility to optimize workflows and to support patient care, from one caregiver to many patients. With Tele-Sitting, the remote live video and audio track patient activity and can notify staff of any concerns or emergency situations.

On the other side, patients in a critical state require constant diagnoses and treatments. A way to centralize and enhance remote patient monitoring, is via Tele-ICU, this makes it possible for patients to receive medical attention directly in the electronic medical record (EMR) with the addition of audio and video connections.

These solutions allow for critical care optimization within the workforce by providing a single user interface to observe and communicate remotely to an array of patients requiring care.





## Where to use Epic ECAL?

Clinical workflows are unique and often dynamic. The Axis/Epic ECAL integration has been developed in a non-limiting way allowing the implementation of the robust Axis offering to cater to the unique clinical workflows of your entity. Typical use cases include:

### Fixed solution

In this scenario, an Axis network camera can be mounted in the patient room combined with an Axis network speaker, and both devices are managed and configured in AXIS Camera Station. This setup allows staff to remotely monitor and communicate with their patient. This makes it possible for personnel to easily and efficiently monitor multiple patient rooms and as a result ably assist and interact if needed.

### Mobile solution

In this scenario, an Axis network camera can be mounted on a mobile cart, also equipped with an Axis network speaker and microphone. This portable setup makes it possible for staff to give assistance to those patients where a fixed solution cannot be deployed.

## What are the benefits?

### Single user interface

From the same interface, healthcare practitioners can monitor multiple patients simultaneously, their vital signs, watch a live video, and speak remotely to them.

### Remote Tele-Sitting/Tele-ICU support

The integration between Axis and Epic ECAL increases patient satisfaction with enhanced bedside care, patient monitoring, remote diagnostics, while minimizing unnecessary visits and contagion exposure.

### Visual confirmation and communication

Thanks to advanced video analytics, hospital staff can receive push notifications via Epic Monitor and mobile applications and thus, take appropriate actions. A pre-recorded phrase can be sent through Axis camera speaker, or network speaker, or intercom to communicate with a patient in a room.

### Flexible solution setup

Axis solution can be deployed as a fixed or mobile installation, depending on the requirements and needs for the patient care.

### Integrations

The solution is future-proof, supporting legacy Epic Deep Linking protocol, and Epic ECAL support via AXIS Camera Station, as well as the Migration Path from Deep Linking to ECAL. This allows integration of the entire Axis network portfolio into the Epic solution.



# How to build the system

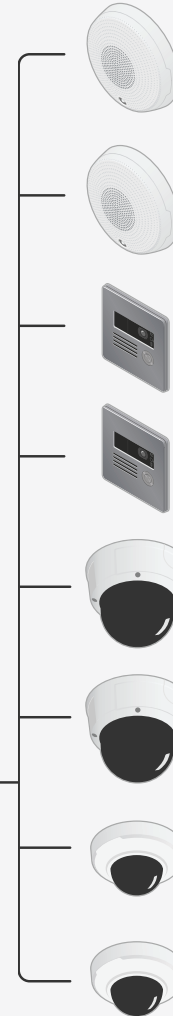
The integration between AXIS Camera Station and Epic ECAL can assist caregivers in their daily work. The integration requires an AXIS Camera Station system installed. Video and audio from AXIS Camera Station are embedded in Epic Monitor using ECAL to form a single user interface providing the possibility to receive on-screen analytical notifications on in-room events. As well as push audio messages to patient rooms. Furthermore, AXIS Audio Spectrum Visualizer can be installed on the camera to display an audio spectrum as an overlay in the video stream, that helps the operator to detect a significant change in the sound environment. Axis's ECAL integration will require a licensed instance of AXIS Camera Station operating in parallel with the Epic environment.



*Epic Monitor ECAL*



*AXIS Camera Station server*



## Network devices

- > Axis cameras
- > Axis speakers
- > Axis intercoms

## Software

- > Epic version Nov 22 and above support
- > Epic ECAL Axis VMS plug-in
- > AXIS Camera Station licenses

## Edge-based Axis analytics (optional free applications)

- > Onboard analytics
- > AXIS Audio Spectrum Visualizer

## Edge-based partner solutions

- > Sound Intelligence
- > AiDANT

## Video recorders

- > AXIS Camera Station S Series
- > 3rd-party hardware
- > 3rd-party hardware running virtualized Windows® machines



## About Epic

Epic was founded in 1979 and develops software helping healthcare organizations to provide inclusive and equitable care by offering tools to identify and address health disparities. Health systems using Epic include large organizations, small Federally Qualified Health Centers, academic, and community organizations. The majority of U.S. News and World Report's top-ranked hospitals and medical schools use Epic. Find out more about Epic: [www.epic.com](http://www.epic.com)

## About AXIS Camera Station

AXIS Camera Station is a video management software developed for use in a wide range of applications making it possible to enjoy full control and protection of the premises and quickly take care of incidents, all to make businesses run more smoothly. AXIS Camera Station matches Axis network video products and features to offer end-customers a complete, flexible, safe and reliable system. Find out more about AXIS Camera Station: [www.axis.com/products/axis-camera-station](http://www.axis.com/products/axis-camera-station)

## Why Axis?

- > Proven integration with Epic Monitor software since 2009
- > Over 30 years of experience in network solutions
- > Quality in everything we do
- > Innovative technologies and solutions
- > Sustainability in our mindset
- > Driving cybersecurity
- > Powered by partnerships

Find out more about Axis healthcare solutions: [www.axis.com/healthcare](http://www.axis.com/healthcare)

# About Axis Communications

Axis enables a smarter and safer world by creating solutions for improving security and business performance. As a network technology company and industry leader, Axis offers solutions in video surveillance, access control, intercom, and audio systems. They are enhanced by intelligent analytics applications and supported by high-quality training.

Axis has around 4,000 dedicated employees in over 50 countries and collaborates with technology and system integration partners worldwide to deliver customer solutions. Axis was founded in 1984, and the headquarters are in Lund, Sweden.