Get closer.

Intelligent network solutions for
virtual nursing, tele-ICU, and telesitting

HEALTHCARE

AXIS
COMMUNICATIONS

DIGITALIZATION

WHAT WE OFFER

INTEGRATION SPOTLIGHT

Healthcare is evolving

The global challenges facing healthcare – including staffing shortages, overwork and burnout, and a longer-living population – demand innovative solutions. Now more than ever, delivering quality patient care depends on developing more proactive and efficient ways of working. Doing so helps ensure that healthcare providers are where they're needed when it matters most. To help close gaps, top hospitals around the world are adopting digital technologies in their workflows for general nursing, tele-ICU, and patient sitting.

DIGITALIZATION

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We can help

Axis network devices are powerful enough to support artificial intelligence and computer vision applications operating on the edge. Plus, we always build on an open platform. That means you can choose from the widest selection of analytics on the market, enabling you to put our smart devices to work in the specific ways you most need. It also means you can integrate our products with other Internet of Things (IoT) devices for patient monitoring. Doing so adds another layer to care – for example, enabling a nurse to access an in-room camera when a patient monitoring device sends an alert.

Smart solutions, strong facilities

Network video and audio make it possible for one healthcare professional to monitor multiple patients at once. As a result, your staff can break away from routine rounds, easily dismiss nuisance alarms, and prioritize tasks based on real-time patient needs. That supports high-quality care for patients, and more manageable workloads for your staff. Plus, network solutions can also support your department's safety, operations, and training needs.
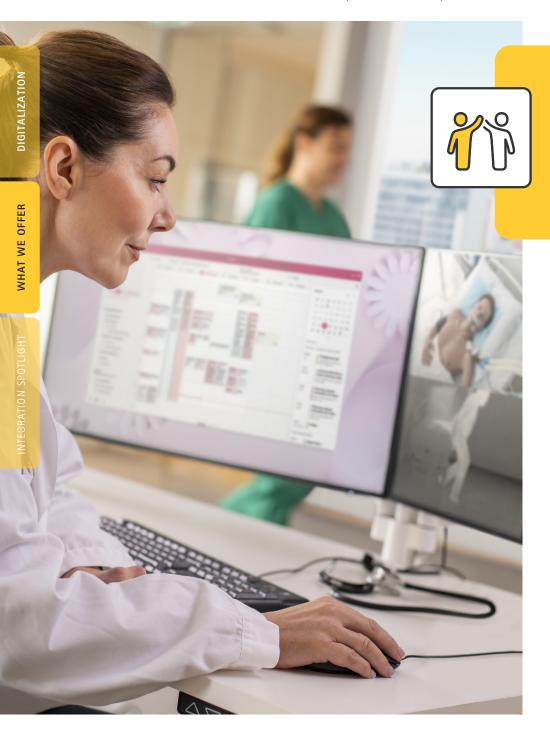
From a provider you can trust

Back in 1996, Axis invented the network camera. Since then, we've led the network video industry. Today, we continue our legacy of innovation, building solutions that let you get the most out of the best third-party patient care hardware and software on the market.

Ready to discover how we're helping solve some of your toughest challenges?

Read on >>

DIGITALIZATION

WHAT WE OFFER

INTEGRATION SPOTLIGHT

We help enable...

Smarter workflows

Remote support for nursing, ICU, and telesitting workflows via integration with partner software.

Better outcomes

High-quality real-time information as well as trend monitoring for proactive, responsive care and satisfied patients.

Safer staff

Reduced exposure to contagions and deterrence of staff-directed violence.

How we do it

Single interface to learn – and for IT to support

From one screen in a central location, you can monitor multiple patients simultaneously, speak to them as needed, and reference their records.

Lasting integrations

We build on open standards, so an Axis solution is futureproof – you can integrate it with the tools you depend on for patient care, now and in the future.

Real-time alerts

Analytics-equipped Axis video and audio devices use artificial intelligence to detect key events, such as fall risks or excessive coughing. Push notifications to your desktop or mobile monitoring platform let you know what's happening, and event-triggered prerecorded voice messages in patients' rooms can provide instructions or inform them that a nurse is on the way.

Flexible installations

You choose the solution that meets your needs. Our portfolio includes a wide range of network video and audio devices, other IP-based devices, mounting options for both fixed in-room installations and mobile carts, and privacy tools.

Powerful partnerships

Effectively monitoring and managing patients requires a variety of high-quality tools. We've worked hard to make our solutions easy to integrate and to use together with major healthcare software solutions, so you can focus on your patients, not on the technology.

Explore those integrations in the next section >>

DIGITALIZATION

WHAT WE OFFER

INTEGRATION SPOTLIGHT

Integration spotlight

Our work with healthcare software providers Epic and TeleRay ensure a straightforward path for integration. As a result, it's even easier for you to get the benefits of our world-class video and audio tools with your software for patient monitoring, electronic medical records (EMR), and remote consulting.

Epic integration

What

Remotely monitor multiple patients in real time and chart within the same interface.

How

In-room intercoms or cameras with audio capabilities and built-in analytics combined with Epic Monitor enable a remote operator to see, hear, and speak to a patient. At the same time, the patient's EMR is at the operator's fingertips.

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TeleRay integration

What

Leverage high-quality two-way video and audio for remote care consultations, medication validation, admissions and discharge processes, nurse training, and more.

How

TeleRay Visit provides a secure connection between network video intercoms or audio-equipped cameras, so both parties can see, hear, and speak to each other – for example, connecting a patient's room to the nurses' station or a consulting doctor at another facility, or connecting a training room to a remote instructor.

One system to learn

If you're already using Epic Monitor or TeleRay Visit, integrating Axis devices means that nursing staff simply keeps using the software they already know – but with the outstanding image and sound our solutions provide.

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USE CASES

Virtual nursing and tele-ICU

An essential job

Everywhere, nurses are on the front lines of patient care. Often the first point of contact for patients, nurses maintain direct and ongoing contact throughout a patient's hospital stay. It's a crucial job – and it's gotten tougher in recent years. Intelligent network solutions help improve conditions for both nurses and their patients.

Smart workflows

In-room network cameras make it possible for nursing staff to continuously monitor and communicate with multiple patients from a central location. By enabling virtual rounding and cutting down on nuisance alarms, nurses have more time to spend where it matters most.

Quality you can trust

Quality is at the forefront of everything we do at Axis. That means you can count on our cameras to provide a stable feed with the sharp, detailed, true-to-life images needed for ICU care. Meanwhile, our network audio devices are preconfigured for great sound, so you know your voice messages will come through loud and clear from day one.

At a glance

- Empower nurses to establish and maintain robust situational awareness across their entire patient panel, no matter where they are or what they're doing

- Use real-time information to streamline workflows, support better outcomes, and intelligently allocate staff

- Proactively manage patient needs and well-being, even when physical contact must be limited

- Facilitate cost-effective and efficient collaboration with other care providers

- Deter unwanted behavior and help keep staff safe

- Improve hands-on training while making the most of instructor resources

Solutions in action

When we design products and solutions for nursing, we aren't innovating for the sake of it – we're focused on improving workflows and solving real problems. Here's a snapshot of how that's working for our customers.

Nemours Children's Hospital – Orlando, Florida, USA

Nemours created a Tactical Logistics Center (TLC), where a rotating team continually checks patient vital signs through a central monitoring system. The TLC integrates both clinical data and live streaming video from Axis network cameras in each patient's room through Epic software.

"We're always taught in school to treat the patient, not the monitor. The Axis cameras let us check on patients and actually see their physiology rather than strictly rely on the clinical data to spot trends and identify problems."

Daniela Melendez, Nurse Manager for Nemour's TLC

"With the Tactical Logistics Center continuously monitoring patients in the neonatal intensive care unit through the Axis cameras – seeing how they're doing and how they're acting – clinicians feel like they can leave the room to care for another sick child without fear that they're leaving the patient unattended."

Dr. Al Torres, Medical Director of Clinical Logistics and Respiratory Care at Nemours

Explore the full story

Featured use cases

Ad hoc patient communication

Intelligently manage workflows by enabling remote ad hoc patient communication. Inside the partner software solution, the nurse opens a patient's chart, then, with the touch of a button, accesses the in-room audio-equipped network camera or intercom for a conversation.

Virtual care consultations

When clinicians need to have a remote consultation, intelligent network video and audio provide safe communication and consistent access to high-quality remote medical care.

Remote nursing admission/discharge

Enable more accurate, thorough admissions processes and efficient discharge procedures using network video and audio solutions integrated with partner software for conferencing and EMR. One interface offers a live two-way video and audio feed, and access to the patient's medical record.

Efficient collaboration

Improve access to needed care, especially in the management of complex cases requiring an interdisciplinary team of specialists. Network audio and video combine with partner software for conferencing and EMR to create a secure connection for remote collaboration.

Detect patient distress

Stay aware of audible distress, aggression, and excessive coughing in a minimally intrusive way, using intelligent acoustic analytics on audio or video devices. In addition, detect falls and patient-out-of-bed scenarios in real-time using cameras with artificial intelligence models.

Virtual rounding

Streamline rounding workflows by enabling staff to check in on their entire patient panel from a central location using network video and audio plus partner software. After evaluating patient needs, nurses can prioritize physical rounds and plan for any needed supplies.

More featured use cases

Medication validation

Streamline workflows, make efficient use of your available staff, and prevent drug diversion by enabling a pharmacist or nurse to remotely validate patient medications using high-quality video and audio paired with partner software.

Document patient-staff interaction

Deter bad behavior and document incidents by equipping staff with wearable cameras they can activate when a situation feels unsafe. In patient rooms, intelligent analytics on audio-equipped cameras or speakers with two-way audio help automatically alert de-escalation teams, security, or law enforcement to audible aggression.

Virtual visitors

When in-person visitation isn't possible, bring patients and their loved ones together using partner software to securely connect to a patient's in-room network video and audio solution.

ICU support

Lessen the staffing demands of ICU by enabling a remote operator to monitor multiple ICU patients from a central location, using in-room video intercoms or pan-tilt-zoom (PTZ) cameras with two-way audio capabilities. True-to-life images, responsive camera controls, and powerful optical zoom enable effective monitoring of both patients and in-room equipment.

Training

Provide real-time, individualized guidance from one instructor to many learners, using visual cameras, speakers, and video management software. Wearable cameras capture a hands-on process from the learner's point of view and can be used afterward in additional trainings.

And more These use cases are just a sampling of what's possible. Because we build on open standards, you can integrate our solutions with 3rd party hardware and software in a tailor-made solution at any time – day one, or day one thousand. With an Axis foundation, the door to innovation is always open, and we're always ready to help you.

INTRODUCTION

CUSTOMER STORIES

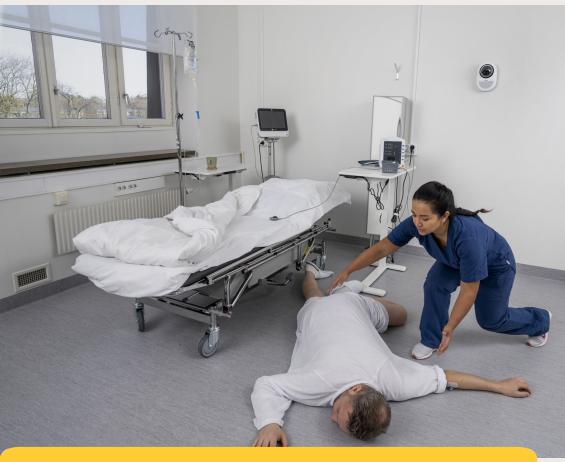USE CASES

Telesitting

We're with you

Patient sitting is an indispensable part of ensuring safety and providing quality care. However, many facilities struggle to secure enough personnel for this time- and resource-intensive form of care. Network solutions can help.

Smart workflows

In-room network cameras or video intercoms enable your staff to continuously monitor multiple patients from a central location, helping ensure adequate coverage even with minimal staff. Adding intelligent video analytics helps you detect fall-risk patients out of their beds, while audio analytics on a speaker or audio-equipped camera can alert you to excessive coughing or sounds of aggression. Meanwhile, convenient ad hoc communication from a computer or mobile device makes it easy for sitters to speak with patients as needed.

Real-time support you can trust

Quality is at the forefront of everything we do at Axis. That means you can count on our cameras to provide a stable feed with continuous uptime. Meanwhile, our network audio devices are preconfigured for clear sound every time, starting the moment you take them out of the box.

At a glance

- Increase the capacity of your existing staff by enabling cost-effective monitoring of multiple patients by a remote operator

- Get real-time alerts of patients out of bed, falls, and audible distress such as coughing or aggressive voices

- Deter unwanted behavior and help keep staff safe

- Leverage network video and video footage for training and policy or procedural reviews

Solutions in action

Axis products and solutions for telesitting are designed to target real challenges and improve outcomes. Here's a snapshot of what our customers have experienced.

Lee Health – Southwest Florida, USA

When Lee Health began construction of its new pediatric hospital, one of the priorities was to integrate medical excellence with advanced technology to provide an exceptional level of care and safety. Today, all six acute care and specialty hospitals and over 90 off-site clinics and skilled nursing units in the Lee Health network have migrated to the network-based solution.

"Once leaders at other facilities in our healthcare network saw how the new system helped with things like preventing falling risks...demand for Axis technology spread like wildfire."

Robert Sherwood, Director of Public Safety Technology for Lee Health

Explore the full story

Solutions in action

Nemours Children's Hospital – Orlando, Florida, USA

Nemours Children's Hospital integrates Axis cameras into the heart of critical patient care to augment health assessment and accelerate emergency response. In one example of how Axis cameras have improved outcomes, the TLC team remotely monitoring Nemours patients was able trigger an abduction and elopement alarm when they discovered a teen had left his room.

"When we saw that the patient wasn't in his room, the TLC notified the appropriate escalation team. With the network of cameras we have throughout the hospital, we were able to find him before he left the building."
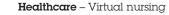
Daniela Melendez, Nurse Manager for Nemours' TLC

Explore the full story

Featured use cases

Fall and flight prevention

Reliably detect and respond quickly to patient-out-of-bed scenarios using video-based devices with artificial intelligence and direct notifications.
The system can be configured to send an alert to staff and play a prerecorded voice message directing the patient to wait for a nurse.

Detect patient distress

Stay aware of audible distress, aggression, excessive coughing, and falls in a minimally intrusive way. Network video and audio devices use artificial intelligence to detect events, and push alerts are sent to nursing staff.
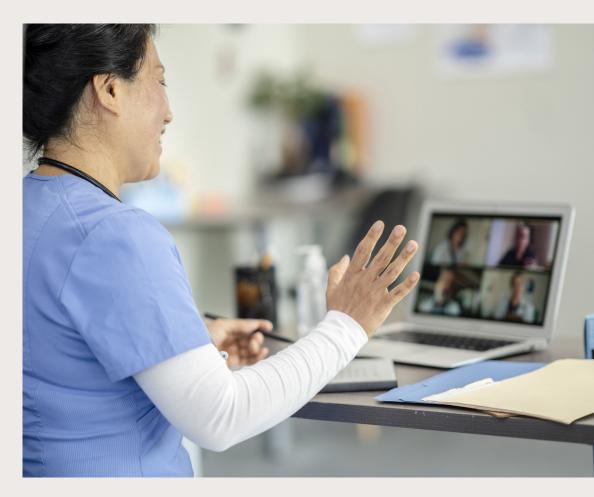
Ad hoc patient communication

Help staff intelligently manage their workflows by enabling remote ad hoc patient communication. Inside the partner software solution, the nurse opens a patient's chart, then, with the touch of a button, accesses the in-room audio-equipped network camera or intercom for a conversation.

Training

Provide real-time, individualized guidance from one instructor to many learners, using visual cameras, speakers, and video management software. Wearable cameras capture a hands-on process from the learner's point of view and can be used afterward in additional training.

Document patient-staff interaction

Deter bad behavior and document incidents by equipping staff with wearable cameras they can activate when a situation feels unsafe. In patient rooms, cameras or speakers with two-way audio and intelligent analytics can be configured to automatically alert de-escalation teams, security, or law enforcement to audible aggression.

And more These use cases are just a sampling of how you can put an Axis solution to work for you. Because we build on open standards, you can integrate our solutions with third-party hardware and software in a tailor-made solution at any time – day one, or day one thousand. With an Axis foundation, the door to innovation is always open, and we're always ready to help you.

We're looking out for you

So you can keep looking out for others.

Keeping you safe

Our **lightweight wearable cameras** with live streaming for healthcare can positively influence the actions of patients and visitors. And throughout your facilities, **in-room speakers or audio-equipped cameras with sound detection analytics** can send an alert to security, law enforcement, or de-escalation teams if patients or visitors become combative.

Everywhere you need support

Ambulance reception

Waiting and triage areas
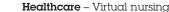

Behavioral health wards

Patient rooms

Because notifications from in-room cameras or speakers are sent automatically when aggressive voices are detected, the right people can help defuse incidents quickly, before they reach a boiling-over point. Plus, your nurses have the security of knowing that they aren't on their own in volatile situations.

Read on >>

Built with you in mind

Made for nurses

A single Axis solution can meet your needs for virtual nursing, ICU support, and telesitting. We pay attention to your physical environment, too, with cameras that can withstand harsh disinfectants, mounting options perfectly matched to mobile carts, and cost-efficient devices that combine audio and video in a single space-saving option.

Made to change and grow

With Axis, you don't have to purchase all your functionality up front, and you're never locked into a proprietary solution. Our solutions are also easy to scale – just add or remove devices. And with Axis or third-party software, you can monitor and manage several facilities from a single central location.

Made for your bottom line

Quality products that last. Technologies that lower energy consumption, bandwidth usage, and storage requirements. A commitment to cybersecurity. And the real-time information you need to better serve your patients. These are only a few of the ways that we help keep your costs down and protect your facility from risk.

And we're there when you need us

Our extensive global partner network, world-class online support, product warranties, advanced replacement policy, and industry-recognized training means that we're there for you, whenever and wherever you need us.

COLLABORATION

REACHING FURTHER

Your partner

Designing your solution

We believe that two heads are better than one when it comes to innovation. Together with our partners and integrators, we take the same collaborative approach with our customers. It starts with listening to you.

You're experts in your field. We're experts in ours.

Successful solutions leverage your expertise and ours. That's why we at Axis work closely with you, ensuring your specific goals and needs drive the design of your solution. It's also why we partner with you for the long term, ready to support and advise whenever you need us.

How it works

At the beginning, we connect you with our extensive partner network. Together, we tailor each part of solution to your needs, whether you are looking to integrate essential third-party hardware or software or address considerations like difficult lighting conditions, challenging acoustics, the need to disinfect a camera regularly, or specific mounting scenarios. Jointly, we'll develop a solution that brings greater efficiency, real-time awareness, and depth to your specific workflows.

COLLABORATION

REACHING FURTHER

Beyond quality care

Cameras, intercoms, and speakers are powerful tools for patient care, but our portfolio of network devices has many other benefits to offer. Imagine if you could:

- Support faster, more informed staff responses with network strobe sirens outside ICU rooms configured to light up with emergency-coded colors in response to events

- Prevent drug diversion by using cameras to monitor medication dispensing machines

- Quickly disprove false claims with forensic quality video footage

- Efficiently review processes and procedures to identify retraining needs

- Enable experienced nursing staff to remotely observe and support newer nursing staff working bedside

And more. Because, at its core, an Axis network solution isn't just a way to ensure you have enough hands on deck. It's a flexible, scalable solution that enables you and your facility to set a new standard for hospitals.

What does it mean to choose Axis?

Simply: You decide what you want to be able to do.
We help make it happen.

Why choose Axis?

We're glad you asked. Here are a few of the things that help set us apart.

Quality in everything we do

Axis products are manufactured with outstanding durability, safety, and performance, so you have a solution that generates real value. Video that's sharp enough for nurses to watch drips or read pill bottles, and stable enough that they don't miss a moment during telesitting. Audio clear enough that your admissions staff can capture all relevant details during intake. And a solution that you can count on to be up and running, helping you provide excellent care.

Privacy

Because patients and facilities around the world have differing expectations and requirements for privacy, our solutions – including our partner integrations – can be configured for the level of privacy you need. For example, switch off the microphone on a two-way speaker, mask specific areas of a room or the patient's body in a video feed, or use thermal cameras to monitor a room for a patient out of bed without capturing identifying features. Additionally, because you control access to all recordings, HIPAA compliance is straightforward: ensure secure storage, properly configure permissions, and set and communicate rules for when recordings can be viewed or shared.

Cybersecurity

Part of safeguarding privacy is ensuring the security of protected health information. To mitigate the risk of unauthorized access, Axis implements best practices in our information security management system, supply chain, software development, and vulnerability management. And because cybersecurity is a shared responsibility, we offer ongoing customer guidance, technologies, tools, and services including hardening guides for AXIS OS, a security notification service, and free firmware updates with security patches. Finally, tools like AXIS Device Manager make it easy to efficiently configure, manage, and maintain Axis devices and their security throughout their lifecycle.

And there's more...

Detailed,
true-to-life images
with up to 40x optical zoom

Stable video, thanks to continuous uptime

Smooth, responsive, easy to control **pan-tilt-zoom** functionality on PTZ models

Clear
understandable audio

Tested and verified to withstand daily disinfectant cleaning

Endless integration possibilities

World-class support

Ready to get started?

While hospitals the world over share many of the same challenges and goals, no two are exactly alike. We invite you to connect with our experienced partner network and explore our innovative technology so we can design a solution tailor-made for you – one that serves your patients, your staff, and your bottom line.

Contact us today at www.axis.com/contact-us

Healthcare – Virtual nursing

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.