Network audio
for education

SMART SOLUTIONS FOR
DAILY COMMUNICATION,
SAFETY, AND SECURITY

AXIS®
COMMUNICATIONS

Connected communication

Amplify your efforts

Axis is well-known for excellence in network video solutions. By enabling the right people to see where they need to, we help schools extend the reach of their personnel and ensure safer, more secure schools.

Our network audio solutions build on that excellence and extend that reach even further. With the Axis audio portfolio, you can improve your situational awareness and broadcast clear, understandable voice messages – everywhere you need them.

The power of an IP solution

Since we invented the network camera in 1996, Axis has been driving innovation in network solutions. We've built an extensive offering of IP-based cameras, access control, audio, other devices, and intelligent analytics. Our all-in-one network speakers are both a powerful stand-alone public address solution, and a perfect complement to the other intelligent devices in our portfolio.

Axis network audio unlocks new and versatile ways to interact, inform, and protect. Read on to learn more...

The role of network audio

So teachers can focus on teaching and students can concentrate on learning,
Axis network audio solutions offer smart support in 3 key areas:

Smooth daily functioning

Ensure clear, dependable audio for announcements, paging, and bell schedules.

Safer, more secure schools

Know what's happening and respond in real-time.

A great student experience

Enjoy high-quality sound for instructional content, background music, special events, and more.

And always in tune with you

Thanks to flexible audio zoning and configurable content prioritization, you can be sure that urgent messages get where they're needed at the right time – without unnecessarily disturbing others.

3 ways to use it

A single Axis audio solution can be used for planned, ad hoc, and urgent voice messages – where and when you need them.

1 Pre-recorded, scheduled messages

- Routine announcements
- Instructions for planned emergency drills
- Event reminders
- Information on expected closures

2 Pre-recorded, event-triggered messages

- Warn off potential intruders
- Send truant students to class
- Respond to aggressive voices
- Issue evacuation or shelter-in-place instructions

3 Live messages where they're needed

- Paging with two-way audio
- Standardized test instructions to a specific grade level
- Severe weather updates to the entire school
- Real-time communication with a visitor requesting entry

More than voice messages

A single Axis audio solution also enables flexible bell schedules, high-quality background music, and, for urgent situations, strobe siren alerts.

OVERVIEW

3 WAYS TO USE IT

BENEFITS

The benefits of audio from Axis

Multipurpose network audio is a powerful tool. But that doesn't mean it needs to be complicated.
We've worked hard to make sure our smart solutions are easy to use.

Easy

Axis all-in-one network speakers don't require any additional hardware or software, and they use PoE (Power over Ethernet) for both power and connectivity. They connect right to your standard network – no dedicated audio cabling needed. Plus, they're preconfigured for excellent sound quality right out of the box.

Flexible

Adding or removing speakers is fast and easy, and management software lets you update content and schedules from anywhere. And if you're using analog speakers, our portfolio includes network audio system devices that enable you to reap many of the benefits of network audio while you migrate to IP at your own pace.

Dependable

Completely digital and controlled either locally or remotely, it's easy to test, maintain, and troubleshoot your system over the same network that powers it. You always have the peace of mind that your solution will work when it's needed.

Open

The Axis open platform supports integration with other systems, like video management software (VMS), or Voice over IP (VoIP) telephony using SIP. Our commitment to open standards gives you maximum freedom to build a solution that can continue to meet your changing needs.

Smart

From a single hub, you can schedule reminders, play background music, set bell signals, configure event-triggered audio messages, make live announcements, and provide instructions for evacuations and drills. Plus, Axis speakers support analytics for sound detection, which turn your IP speakers into sensors that help keep you alert to urgent issues. Moreover, they integrate and interact seamlessly with the rest of the Axis portfolio.

Adapting to your needs day and night

Our all-in-one smart speakers are flexible and multipurpose, so your daytime public address system transitions seamlessly at night to be a key player in your after-hours security system. As a result, many schools can split costs and reap rewards across different budgets or departments. Below is a sampling of common use cases for an Axis network audio solution.
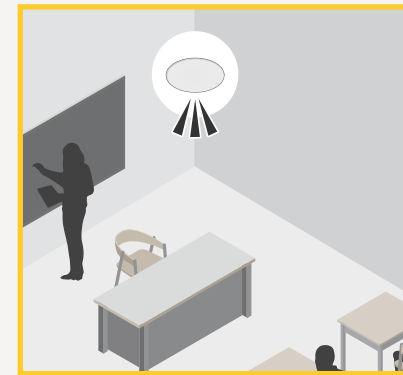
After-hours loitering and vandalism
Detect and warn off suspicious individuals.

Lockdowns and emergencies
Alert the community and provide real-time instructions.

Bell schedules
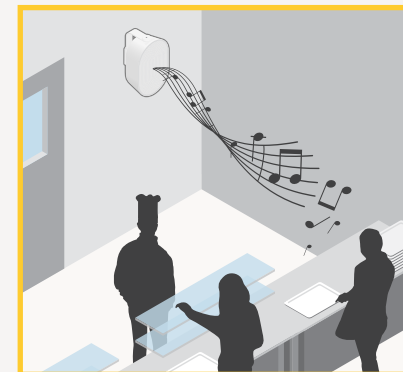Set and adjust bell schedules for different areas.

Voice announcements
Target live or prerecorded informational messages right where they're needed.

Two-way audio
Speak directly to the scene to assess a situation or verify information.

Background music
Support the right atmosphere with background music.

Meet our audio portfolio

▶ **Network speakers** function as complete high-quality audio systems in a single unit. Enabling both live and scheduled voice messages, as well as bell signals and background music, they support daily operations, safety, and security.

▶ **Audio management software** comes pre-installed on Axis speakers and enables you to efficiently manage, monitor, and control a single-site audio system. Additional software is available for complex and multi-site installations.

▶ **All-in-one network microphone consoles** turn your Axis network speakers into a complete public address system.

▶ **Network volume controllers** are a quick-touch solution for staff or faculty to quickly adjust the volume or change the audio source in a specific zone to match the noise level or planned activity.

▶ **Strobe sirens** provide a combined audio and visual alert when you need to catch the public's attention.

▶ **Analytics** can turn speakers into sensors able to detect specific noises. We work with a global network of partners to provide analytics that address your challenges.

Already have a large investment in an analog system?
With Axis, you can transition to network audio at the pace that works for you, and protect your legacy investment in the process.

▶ **One audio bridge** lets you reap the benefits of IP audio from up to hundreds of existing analog speakers.

▶ **Audio amplifiers** turn passive speakers into network speakers.

Complementary technology

With sound detection analytics for noises such as gunshots and breaking glass, Axis speakers can be configured to automatically broadcast warning or instructional messages in response to a detected event. The same system can send an alert to on- or off-site personnel to take further action. What's more, our audio solutions can also be integrated with the rest of our portfolio for faster, smarter responses to a wide range of events.

Meet some of the Axis tools you can combine with an audio solution.

❯ **Visual cameras** include pan, tilt, zoom (PTZ), panoramic, and fixed box and dome cameras to suit a wide range of needs. Sophisticated algorithms and technologies support reliable image quality 24/7, and vandal-proof options give you peace of mind.

Suggested audio integration: Warn off a detected loiterer.

❯ **Thermal technology and radar** accurately detect people, objects, and incidents even in complete darkness, strong sunlight, fog, smoke, or dust. And when it comes to safety, thermometric cameras in the school power plant help assess the earliest signs of fire.

Suggested audio integration: Near schools, warn speeding vehicles detected by radar to slow down.

❯ **Intelligent analytics** turn cameras into sensors that can detect, identify, and track specific objects; monitor crowd size or signs of aggression; identify falls in an unstaffed school fitness center; and much more.

Suggested audio integration: Provide guidance or instructions to demonstrations and protests.

❯ **Network intercom and access control** helps ensure people and vehicles only gain entrance where and when they're authorized.

Suggested audio integration: Trigger a strobe siren when a vehicle attempts to tailgate on an authorized entry to a restricted parking area.

Your existing or preferred systems can also be integrated as part of an Axis solution, since we build on open standards. That enables you to choose from the widest possible selection of third-party analytics, all major video management software platforms, and more.

Why Axis?

Visionary approach

We provide a full portfolio of smart devices that support innovation for smarter, safer schools.

Commitment to openness

You have the freedom to integrate our solution with the widest possible range of third-party hardware and software on the market.

Quality in everything we do

Our speakers and cameras deliver, and they last. And we stand behind them, with a 5-year warranty.

Driving cybersecurity

We work hard to make it easy for you to maintain the security of your system, starting with the design process and lasting throughout the product lifecycle.

Free tools and world-class support

We offer multiple tools, free of charge, to help with system design, operation, and lifecycle management. Plus, wherever you are, whenever you need us, we're there with our extensive global partner network.

Sustainability in our mindset

Our guiding policies and principles are those of the UN Global Compact: fair labor, transparency, anticorruption, and environmental sustainability.

And we always act as your partner. Contact us today to start discussing an audio solution to meet your needs.

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.

Learn more:

www.axis.com/solutions/education/network-audio-solutions-for-education

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