Network
public address
for your school

SMART COMMUNICATION
FOR SAFETY, SECURITY,
AND THE DAY-TO-DAY

ATTENTION

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 extend that reach even further. When you choose Axis for your public address system, you get the ability to broadcast clear voice messages, bell signals, and background music everywhere you need them. You also get a lot more.

Network audio solutions don't just broadcast information out. They can also take information in. Best-in-class third-party audio analytics turn them into always-on sensors that can detect shouting, breaking glass, and more. And connected solutions like cameras can trigger speakers to automatically broadcast the right prerecorded message – for example, when they detect an intruder.

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 public address solution is both a powerful tool on its own and a perfect complement to the other intelligent devices in our portfolio.

Read on to discover new and versatile ways to interact, inform, and protect with network audio.

OVERVIEW

3 WAYS TO USE IT

BENEFITS

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 sound for announcements, paging, two-way audio, and bell schedules.

Safer, more secure schools

Know what's happening, respond in real-time, and communicate clearly when seconds count.

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 content prioritization, you can get messages 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 – especially compared to analog systems. We've worked hard to ensure it's also easy to use.

Easy

An Axis audio solution is easy to install and a snap to scale up or down. Axis all-in-one network speakers don't require additional hardware or software, and they use PoE (power over ethernet) for both power and connectivity – no dedicated audio cabling needed. Plus, they're preconfigured for excellent sound quality.

Flexible

We've made our speakers flexible so you can build a solution that's right for you. Make announcements from your communication hub, a SIP-enabled phone, mobile phone, or – with the addition of a ROIP gateway – a handheld radio. Configure audio zones so you can broadcast messages or bell signals only where they're needed, such as a particular floor, wing, building, or grade level. Update content and schedules from anywhere. You can even open a line for two-way audio with any Axis speaker in your installation.

Dependable

Ambient noise, projection limitations, and electrical interference all impact analog audio performance, but our digital solutions deliver clear voice messages, bell signals, and background music, indoors and out – even in tough conditions. And because it's easy to remotely test, maintain, and troubleshoot your system over the network, you always know it's working.

Open

Our commitment to open standards gives you maximum freedom to meet your changing needs. Not only can you seamlessly combine our audio with Axis cameras and the rest of our portfolio, but you can also integrate it with third-party solutions, such as video management software (VMS), mass notification software, Voice over IP (VoIP) telephony using SIP, and audio analytics.

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. Our speakers are analytics-ready, so you can also use them as sensors that help keep you alert to urgent issues. And when you integrate them – for example, with cameras or a third-party mass notification solution – specific events can automatically trigger the right safety and security messages, 24/7.

Mass notification integrations

When the unexpected happens, clear and timely communication is critical. Integrating Axis speakers with your mass notification solution means you can count on outstanding sound and reliability when it matters most.

Because we build on open standards, our speakers can be part of major third-party emergency or mass notification solutions – for example, in the US, Singlewire InformaCast®.

What you can expect

Speakers for every environment

Get coverage everywhere you need it. Our portfolio offers a variety of speaker types for indoor and outdoor environments, as well as flexible mounting options.

Clear communication

Ensure everyone on campus – including visitors and substitute teachers – knows what to do in an emergency. Axis speakers are powerful, with an excellent overall sound quality that's been optimized for speech. As a result, alerts and instructions always come through loud and clear.

Right message, right place, right time

Send location-specific shelter-in-place or evacuation messages across campus using easy and flexible audio zoning. No matter what other audio content is scheduled or being broadcast, content prioritization ensures emergency messages always get through. And, thanks to remote health monitoring, you can always be sure your speakers are working.

Rapid response

Get alerts out to your campus community quickly with smart integrations – for example, configure a duress button in the main office or reception area to trigger a campus-wide lockdown announcement. To make live announcements, authorized individuals can use your communication hub, a SIP-enabled phone, a mobile app, or, with an ROIP gateway, even a handheld radio.

Situational awareness

Speak directly to the scene by opening a line for two-way audio with any Axis speaker on your campus. Know quickly if staff and students are all accounted for and, if necessary, relay valuable information to first responders.

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.
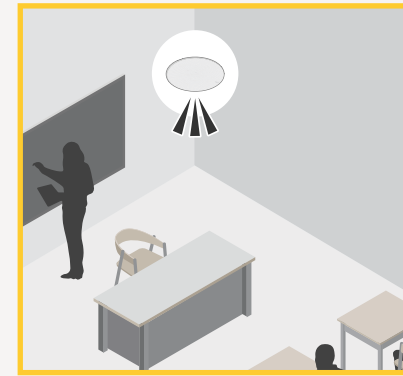
After-hours loitering and vandalism
Detect and warn off suspicious individuals.

Lockdowns and emergencies
Integrate with your third-party mass notification solution to provide alerts and 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.

AUDIO PORTFOLIO

COMPLEMENTARY TECHNOLOGY

Meet our audio portfolio

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

❯ **Audio management software** comes pre-installed on Axis speakers for efficient basic management, monitoring, and control of a single site. Additional software, ideal for more advanced management and multi-site installations, is also available.

❯ **All-in-one network paging console** completes your public address system. Plus, you can even configure the buttons to trigger actions on other IoT devices.

❯ **Network volume controllers** are a quick-touch solution for staff or faculty to adjust the zone's volume or audio source to match noise levels or planned activities.

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

❯ **Strobe speakers** provide a clear visual cue while delivering live, scheduled, and event-triggered audio.

❯ **Analytics** from us and our partners turn speakers into sensors able to detect specific sounds or unusually high noise levels.

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 audio analytics from Axis or our partners, you can configure your speakers to detect specific noises – for example, gunshots or breaking glass – and automatically broadcast warnings or instructional messages in response. The same system can send an alert to on- or off-site personnel to take further action. What's more, you can integrate our audio solutions 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 improving security, safety, operational efficiency, and business intelligence. As a network technology company and industry leader, Axis offers video surveillance, access control, intercoms, and audio solutions. These are enhanced by intelligent analytics applications and supported by high-quality training.

Axis has around 5,000 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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