



# AXIS 2191 Audio Module

*Sight, Speech and Sound – over IP*

Used together with the Axis network cameras, the AXIS 2191 Audio Module enhances the visual communication by adding audio capability. The combined products offer communication via microphones and loudspeakers along with the live images over networks and the Internet.

Suitable for use in applications like Web attraction and remote monitoring, the AXIS 2191 Audio Module allows users to take part, manage and experience remote activities, office meetings and tourist locations. No need for additional software – Internet Explorer is all that's needed!



- Enhances video communication with audio capability
- Easy to install and use – no extra software required
- Communications over networks and the Internet
- Easy access to real time audio/video



# Technical Specification - AXIS 2191 Audio Module



## Product Features

- Audio data is transmitted over HTTP
- Full and Half duplex modes plus Simplex mode available
- No client software

## System Requirements

- One of the following Axis Network Cameras; AXIS 2100, AXIS 2110 or AXIS 2120
- Client PC with a Pentium II 266 Mhz, 128 Mb of RAM full duplex sound-card (for full duplex mode)
- The AXIS 2191 Audio Module can be used with: Windows 98, ME, 2000 and NT (SP4)
- Internet Explorer (4.x, 5.x) is required

## Technical Specification

- ETRAX 100 LX, 32 bit RISC, 100 MIPS CPU

## Compression

- G.721 ADPCM (2x32 Kbit/s in full duplex/ 1x32 Kbit/s in half duplex)

## Operating Environment

- Temperature: 40-122° F (5-40° C)
- Humidity: 8-80% RHG, relative humidity

## Metrics

- Height: 1.1" (27mm)
- Width: 4.4" (112mm)
- Length: 4.3" (110mm)
- Weight: 0.7lb (0.32kg), excl. power supply

## Approvals

- EMC:
  - This equipment complies with the requirements in Part 15 subpart B of FCC Rules for Class A computing device
  - $\text{C}\text{E}$  EN 55022 class B, EN55024
  - FCC Class A
- Safety:
  - EN 60950, UL, CSA

## Accessories Included

- Null modem cable for connection to the camera
- Power supply: 12V AC, 9.6 VA
- I/O connector

## Connections and Controls (Rear)

- Socket for external microphone -optional (In), 1-50mVpp. PC type
- Volume level control (Volume In)
- Built-in microphone (Mic)
- Output volume level control (Volume Out)
- Speaker socket (Out), Unbalanced, 0.05-1.0Vpp
- Microphone switch (Int-Ext)
- Volume indicators (Level In/Level Out)
- Auxillary connector (Terminal Block Indicator)
  - Line In: Balanced 0.05-1Vpp. Connect source ground to pin 2 and source signal to pin 1 if the source is unbalanced
  - Line Out: Unbalanced, 0.05-1.0Vpp



## Connections and Controls (Front)

- Power connector (PS-D), Serial Port Connector, Power and Activity indicators
- 9-pin D-SUB serial connector: RS-232 (COM)
- Power and Activity indicators



For more information visit our website: [www.axis.com](http://www.axis.com)

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