AXIS Multicable A I/O Audio Power

Installation Guide
Read this first
Read through this Installation Guide carefully before installing the product. Keep the Installation Guide for future reference.

Legal considerations
Video and audio surveillance can be regulated by laws that vary from country to country. Check the laws in your local region before using this product for surveillance purposes.

Liability
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Intellectual property rights
Axis AB has intellectual property rights relating to technology embodied in the product described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the patents listed at axis.com/patent.htm and one or more additional patents or pending patent applications in the US and other countries.

Equipment modifications
This equipment must be installed and used in strict accordance with the instructions given in the user documentation. This equipment contains no user-serviceable components. Unauthorized equipment changes or modifications will invalidate all applicable regulatory certifications and approvals.

Trademark acknowledgements
AXIS COMMUNICATIONS, AXIS and VAPIX are registered trademarks or trademark applications of Axis AB in various jurisdictions. All other company names and products are trademarks or registered trademarks of their respective companies.

Disposal and recycling
When this product has reached the end of its useful life, dispose of it according to local laws and regulations. For information about your nearest designated collection point, contact your local authority responsible for waste disposal. In accordance with local legislation, penalties may be applicable for incorrect disposal of this waste.

Europe
This symbol means that the product shall not be disposed of together with household or commercial waste. Directive 2012/19/EU on waste electrical and electronic equipment (WEEE) is applicable in the European Union member states. To prevent potential harm to human health and the environment, the product must be disposed of in an approved and environmentally safe recycling process. For information about your nearest designated collection point, contact your local authority responsible for waste disposal. Businesses should contact the product supplier for information about how to dispose of this product correctly. This product complies with the requirements of Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

China
This product complies with the requirements of SJ/T 11364–2014, Marking for the restriction of hazardous substances in electrical and electronic products.

<table>
<thead>
<tr>
<th>有毒有害物质或元素</th>
<th>铅 (Pb)</th>
<th>汞 (Hg)</th>
<th>镉 (Cd)</th>
<th>六价铬 (Cr(VI))</th>
<th>多溴联苯 (PB-B)</th>
<th>多溴联苯醚 (PB-DE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>电气安装部分</td>
<td>X</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

0: 表示该有毒有害物质在该部件所有均质材料中的含量均在GB/T 26572标准规定的限量要求以下。
X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572标准规定的限量要求。

Contact information
Axis Communications AB
Emdalavägen 14
223 69 Lund
Sweden
Tel: +46 46 272 18 00
Fax: +46 46 13 61 30
axis.com

Warranty information
For information about Axis’ product warranty and thereto related information, go to axis.com/warranty

Support
Should you require any technical assistance, please contact your Axis reseller. If your questions cannot be answered immediately, your reseller will forward your queries through the appropriate channels to ensure a rapid response. If you are connected to the Internet, you can:
- find answers to resolved problems in the FAQ database, search by product, category, or phrase
- report problems to Axis support staff by logging in to your private support area
- chat with Axis support staff
- visit Axis Support at axis.com/support

Learn more!
Visit Axis learning center axis.com/academy for useful trainings, webinars, tutorials and guides.
**Multiconductor**

Terminal connector for connecting external equipment:

- Audio equipment
- Input/Output (I/O) devices
- DC power supply

When connecting external equipment, a separately sold Axis multicable is required in order to maintain the product's IP rating. For more information, see *Multicable connectors*.

**Multicable connectors**

![Multicable diagram](image)

**Multicable overview**

1. Camera power connector
2. Camera multiconnector
3. Power connector
4. I/O terminal connector
5. Audio in (pink)
6. Audio out (green)

The multicable provides the following connectors:

**Power connector** – 2-pin terminal block used for power input. The polarity of the cables does not matter. Use a Safety Extra Low Voltage (SELV) compliant limited power source (LPS) with either a rated output power limited to ≤100 W or a rated output current limited to ≤5 A.
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Audio in (pink) – 3.5 mm input for a mono microphone, or a line-in mono signal (left channel is used from a stereo signal).

Audio out (green) – 3.5 mm output for audio (line level) that can be connected to a public address (PA) system or an active speaker with a built-in amplifier. A stereo connector must be used for the audio out.

I/O terminal connector – Use with external devices in combination with, for example, tampering alarms, motion detection, event triggering, and alarm notifications. In addition to the 0 V DC reference point and power (DC output), the I/O connector provides the interface to:

- Digital output – For connecting external devices such as relays and LEDs. Connected devices can be activated by the VAPIX® Application Programming Interface or in the product’s webpage.
- Digital input – For connecting external devices that can toggle between an open and closed circuit, for example PIR detectors, door/window contacts, and glass break detectors.

<table>
<thead>
<tr>
<th>Function</th>
<th>Pin</th>
<th>Notes</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 V DC (-)</td>
<td>1</td>
<td></td>
<td>0 V DC</td>
</tr>
<tr>
<td>DC output</td>
<td>2</td>
<td>Can be used to power auxiliary equipment. Note: This pin can only be used as power out.</td>
<td>12 V DC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Max load 50 mA</td>
</tr>
<tr>
<td>Configurable (Input or Output)</td>
<td>3-4</td>
<td>Digital input – Connect to pin 1 to activate, or leave floating (unconnected) to deactivate.</td>
<td>0 to max 30 V DC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Digital output – Connect to pin 1 to activate, or leave floating (unconnected) to deactivate. If used with an inductive load, e.g. a relay, a diode must be connected in parallel with the load, for protection against voltage transients.</td>
<td>0 to max 30 V DC, open drain, 100 mA</td>
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</table>
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1 0 V DC (-)
2 DC output 12 V, max 50 mA
A I/O configured as input
B I/O configured as output