

# Instruction Leaflet AVT GigE Cameras

V2.3.0

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Vision Technologies

## CE conformity

AVT standard cameras are manufactured in accordance with the CE standard and its underlying directions.

Board level models are delivered without housing. Because housing design is critical to the electromagnetic interference characteristics of a camera, no CE certification tests regarding electromagnetic interference have been performed for board level models. Users who design board level models into their systems should perform appropriate testing regarding electromagnetic interference after the product design is completed.

## Contacting AVT

### Ordering and general information:

[info@alliedvisiontec.com](mailto:info@alliedvisiontec.com)

phone (for Germany): +49 (0)36428 677-230

phone (for North America): +1 978-225-2030

phone (for Singapore): +65 6634-9027

### Support:

[support@alliedvisiontec.com](mailto:support@alliedvisiontec.com)

Outside Germany/North America:

Please check the link for your local dealer.

<http://www.alliedvisiontec.com/emea/sales/sales-locations.html>

## Safety notifications

There are no switches or parts inside the camera that require adjustment. The warranty becomes void upon opening the camera casing.

If the product is disassembled, reworked or repaired by unapproved service personnel, AVT or its suppliers cannot be held responsible for the subsequent performance or quality of the camera.

The camera does **not** generate dangerous voltages internally.

## Cautions

### ⚡ Power supply precautions

Use only DC power supplies with insulated cases. These are identified by having **only two** power pins.

### ⚡ Cleaning precautions

Mount/remove lenses and filters in a **dust-free environment**, and **do not** use compressed air (which can force dust into cameras and lenses).

Use only **optical quality tissue**/cloth if you must clean a lens or filter.

**Read Hardware Installation Guide, Chapter *Cleaning instructions*.**

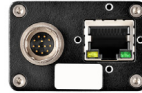
## Note

### ⓘ PoE capable cameras

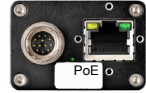
If you supply power via **PoE**, the power must comply with IEEE **802.3at**.

How can I distinguish between PoE capable cameras and cameras that are not PoE capable?

- **PoE capable cameras** have the letters **PoE** written on the camera's label on the back side and the bottom side of the camera.



No PoE camera



PoE camera

## Hardware installation

To install hardware, read **GigE Hardware Installation Guide**.

<http://www.alliedvisiontec.com/emea/support/downloads/product-literature.html>

## Software installation

AVT provides several SDKs (software development kits), which are all free of charge.

<http://www.alliedvisiontec.com/emea/products/software.html>

### ⚡ Warranty precaution

AVT cameras: **Removed Cover Glass** sensor variant

**AVT does not warranty against damage to the sensor after the adhesive foil is removed.**

Camera models with **Removed Cover Glass** sensor need special care: For protection during shipment, a special adhesive foil is used, which must be removed before using the camera.

We recommend removing the adhesive foil in a dust-free environment. Without the cover glass the sensor is mechanically very sensitive and must be protected against ESD, humidity and dust.

### ⚡ Warranty precaution

AVT cameras: **Taped Cover Glass** sensor variant

**AVT does not warranty against damage to the sensor after the tape is removed.**

Camera models with **Taped Cover Glass** sensor need special care: For protection during shipment, a special tape is used to retain the sensor glass. The tape and sensor glass must be removed before using the camera.

We recommend removing the tape and the sensor glass in a dust-free environment. Without the cover glass the sensor is very sensitive and must be protected against ESD, humidity and dust.

## Environmental conditions

- Ambient temperature (during operation):  
+ 5 °C ... + 45 °C
- Ambient temperature during storage:  
- 10 °C ... + 70 °C
- Relative humidity:  
20 % ... 80 % non-condensing
- Protection:  
IP 30

**For camera families having different conditions see the  
Technical Manuals:**

[http://www.alliedvisiontec.com/emea/support/  
downloads/product-literature.html](http://www.alliedvisiontec.com/emea/support/downloads/product-literature.html)

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**Allied Vision Technologies GmbH 06/2011**

### Headquarters:

Allied Vision Technologies GmbH  
Taschenweg 2a  
D-07646 Stadtroda / Germany

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Managing Director: Mr. Frank Grube

Tax ID: DE 184383113

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