



Product Use



# Information on Safe Product Use

## Industrial Cameras



# Information on Safe Product Use: Industrial Cameras

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# Information on Safe Product Use: Industrial Cameras

## 1 Scope

This information on safe product use applies to all **industrial cameras** manufactured by The Imaging Source Europe. The following series are covered by the information in this document:

**USB 3.1: 38U/37U Series**

**USB 3.0: 33U/27U/23U Series; AFU Series; 33U Polarsens; 42-MP**

**USB 2.0: 2U Series and AFU Series**

**GigE: 38G/33G/23G Series; Z Series; 33G Polarsens**

For help with the installation of specific products, customers can contact The Imaging Source support ([support@theimagingsource.com](mailto:support@theimagingsource.com)) or visit our website (<https://www.theimagingsource.com/>). Detailed information regarding dimensions and interfaces of specific products can also be found on our website.

**Product Overview:**

<https://www.theimagingsource.com/en-de/product/industrial/>

**Software (Driver) for Windows and Linux:**

<https://www.theimagingsource.com/en-us/support/download/>

## 2 Safety Information

These safety instructions must be read carefully before installing and using the products. In case of damage to property or personal injury caused by non-observance or improper handling, The Imaging Source Europe accepts no liability.



# Information on Safe Product Use: Industrial Cameras

## 3 Intended Use

The product is intended for the following use only:

The camera may only be used to record an image or video stream with transfer to a suitable receiver.

For advanced camera control functions (model dependent), the camera features a digital input and digital output.

The camera should only be operated in a fully-enclosed indoor space. The camera is designed for operation in a permanently mounted state and should not be opened.

The surface temperature of the camera must not exceed 50°C during operation. Since the manufacturer cannot predict the ambient conditions, it is the operator's responsibility to take appropriate measures (e.g. heat-dissipative mounting, cooling, etc.) to maintain suitable operating conditions at all times. The operator must ensure free air circulation and avoid heat accumulation (which can occur, for example, due to encasing or installation in other enclosures).

Only equipment in proper working condition should be used. The device should be protected from shocks and falls.

The device is intended for commercial or industrial use only.

Any other use falls outside the device's intended use.

Any modification, revision or external repair will render the warranty claim or guarantee null and void. The manufacturer's assurance of product conformity will also be voided.

If you need help with our products (e.g. technical problems etc.), please contact support.



# Information on Safe Product Use: Industrial Cameras

## 4 Field of Application: Electromagnetic Compatibility (EMC)

In terms of EMC, the product is suitable for use in the following application areas:

- Industrial
- Residential, business/commercial, small business

## 5 Time Limits

Duty cycle: Designed for continuous operation

## 6 Installation, Start-Up and Maintenance

Proper and safe operation of this product requires suitable transport, storage, installation and assembly, as well as careful operation and maintenance.

If there is a large temperature difference between the indoor and outdoor areas, condensation may occur on the device. Under such conditions, the product should not be directly removed from the packaging. Please allow sufficient time for the product to acclimatization prior to unpacking it.

During installation, please observe the specifications given in the documentation.

Protect the product from direct sunlight, moisture and shocks.

Operate the product only under the ambient conditions approved for the respective product. Use in ambient conditions falling outside the approved range may result in damage to the device.

To prevent damage to the connectors, only mount or unmount the product with unplugged cables.

Avoid mechanical or electrical damage to the housing and connectors.

Use only approved connectors/connecting cables. Prior to start-up, it must be determined whether the electrical wiring corresponds to the specifications in the product's documentation. Wiring can lead to a defect in the electronics.

Before start-up, determine whether the electrical wiring corresponds to the specifications in the product documentation. Wiring that does not correspond to the specifications in the product documentation can lead to electronic defects.



# Information on Safe Product Use: Industrial Cameras

## 7 Transport and Storage

### Ambient Conditions

- Temperature range: -20°C to 80°C
- Relative humidity: 20% to 95% (non-condensing)

## 8 Operation and Power Supply

### Ambient Conditions

- Housing temperature (during operation): -5°C to 50°C
- Relative humidity: 20% to 80% (non-condensing)

The Imaging Source's products may only be operated using a power supply that meets system-specific requirements. See USB specification or PoE specification according to IEE 802.3af or IEEE 802.3at.

For PoE cameras, an external power supply can also be used instead of PoE. In this case, please ensure that the power supply complies with the ES1/PS2 power classes.

When using a USB hub, make sure that the hub has its own power supply (self-powered) and complies with the USB specification.

**WARNING!** The industrial camera housing will become warm under normal operating conditions. In order to avoid the risk of burns according to ISO 13732-1, sufficient heat dissipation must be ensured. The housing must not exceed a surface temperature of **50 °C** even at elevated ambient temperatures. It is the responsibility of the operator to ensure this. Appropriate measures for this purpose include a heat-dissipating metal components or the targeted supply of cooling air. If the operator cannot ensure surface temperatures below 50 °C, the possible hazard must be made visible, e.g. by means of a warning sticker indicating danger from excess heat.



# Information on Safe Product Use: Industrial Cameras

## 9 Electrical and Electronic Equipment - Manufacturer Information for Commercial Users (Germany)

The *Electrical and Electronic Equipment Act (ElektroG)* contains a large number of requirements for handling electrical and electronic equipment. The most important ones are summarized here.

### 1. Separate Collection of Waste Equipment

Electrical and electronic equipment that has become waste is referred to as waste equipment. Owners of waste equipment must dispose of it separately from unsorted municipal waste. In particular, waste appliances do not belong in household waste, but in special collection and return systems.

### 2. Batteries, Accumulators, and Lamps

As a rule, owners of waste electrical and electronic equipment (WEEE) must separate used batteries and accumulators that are not enclosed in the WEEE, as well as lamps that can be removed from the WEEE without causing damage, from the WEEE before handing them over to a collection point. This does not apply if WEEE is prepared for reuse with the participation of a public waste management authority.

### 3. Options for Returning Old Devices

In order to provide options for the return of old equipment, we cooperate with several qualified recycling companies. If a device manufactured by The Imaging Source has reached the end of its useful life and you would like to return it, please contact: <https://www.take-e-way.de/leistungen/elektrogesetz-weee-elektrog/b2b-altgeraete-ruecknahme-entsorgung/> and fill out the questionnaire.

### 4. Data Protection Notice

Waste equipment can contain sensitive personal data. This applies in particular to information and telecommunications technology devices such as computers and smartphones. Please note that each end user is responsible for deleting data from waste devices intended for disposal.

### 5. Meaning of "No Trash" Symbol

The symbol of a crossed-out garbage can which often appears on electrical and electronic equipment indicates that the respective device must be disposed of separately from unsorted municipal waste at the end of its service life.



WEEE-Reg-Nr. DE 79500188





# Information on Safe Product Use: Industrial Cameras

## 10 Electrical and Electronic Equipment - Manufacturer Information for Commercial Users (other EU countries)

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### 3. Options for Returning Old Devices

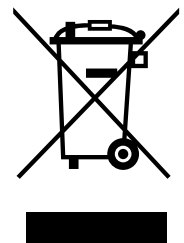
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All weights and dimensions are approximate. Unless otherwise specified the lenses shown in the context of cameras are not shipped with these cameras.