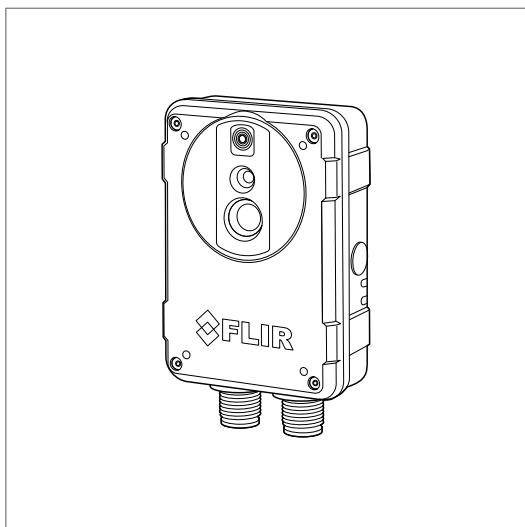




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# Getting started FLIR AX series





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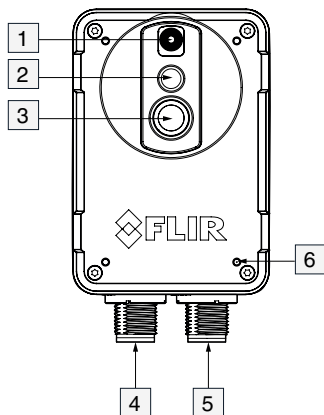
- Infrared camera with lens
- Printed documentation
- Screws and small parts

**Note** FLIR Systems reserves the right to discontinue models, parts or accessories, and other items, or to change specifications at any time without prior notice.

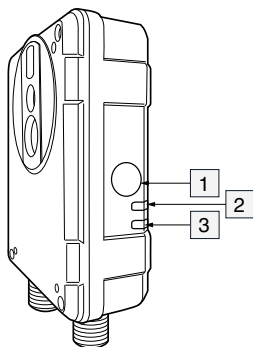
## 2 Illustrations

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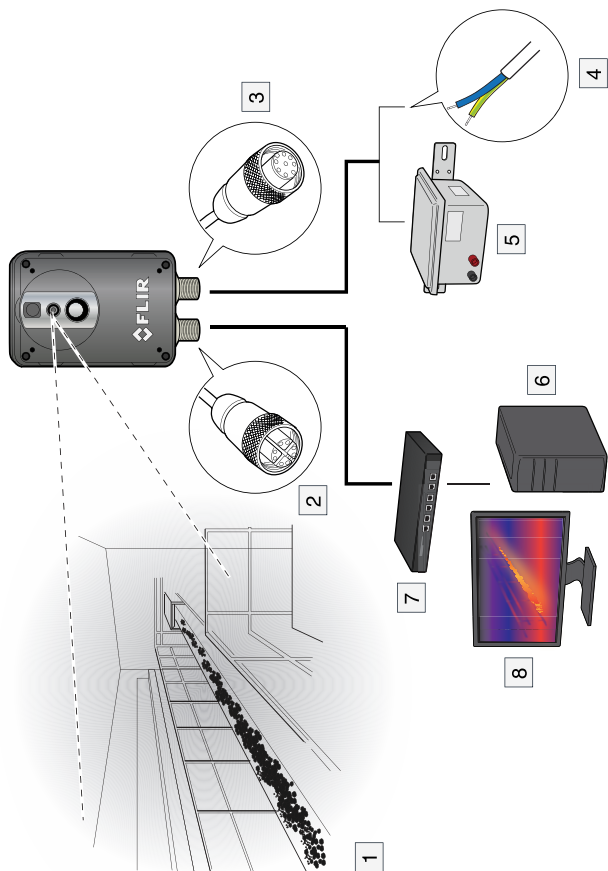
**Note** Explanations of the illustrations are provided in each language section.



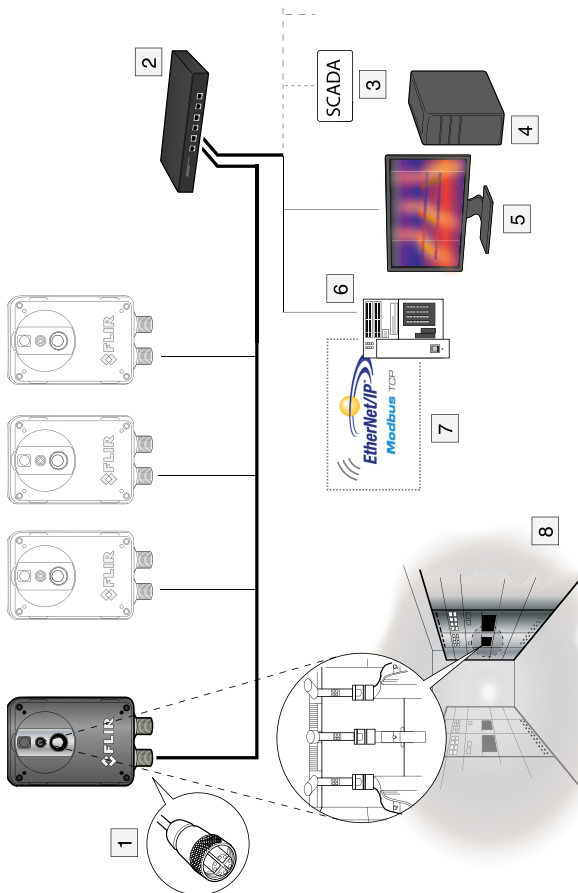
**Figure 2.1** View from the front



**Figure 2.2** View from the side



**Figure 2.3** Typical system overview 1



**Figure 2.4** Typical system overview 2

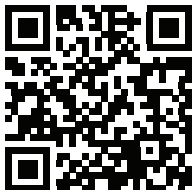
## 3 EN-US English

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### 3.1 Read the manual before use

Go to the following website to read or download the manual:

<http://support.flir.com/resources/wkqz>



### 3.2 Extend your product warranty

Register your product now to get:

- 2 years camera warranty
- 10 years detector warranty

To activate your extended warranty, go to <http://support.flir.com/camreg>.

**Note** Registration must be completed within 60 days of purchase.

### 3.3 Download FLIR software

FLIR Systems provides freeware and licensed software for image editing, video processing, thermal analysis, and reporting.

To download FLIR Thermography software, go to <http://www.flir.com/support>.

### 3.4 Training

For training resources and courses, go to <http://www.flir.com/support-center/training>.

### 3.5 Customer support

Do not hesitate to contact our Customer Support Center at <http://support.flir.com> if you experience problems or have any questions about your product.



### 3.6 Quick start guide

Follow this procedure:

1. Mount the camera.

**CAUTION** The camera should be mounted on a cooling bracket or heat sink unless the rear side of the camera is mounted against a material with a high capacity to transfer heat, e.g., aluminum. Damage to the camera can occur if you do not do this.

2. Download FLIR IP Config from <http://tinyurl.com/o5wudd7>.
3. Install FLIR IP Config.
4. Connect the camera to power, either via a PoE injector connected to the Ethernet cable or via the power-I/O connector (10.8–30 V DC).
5. Connect the camera to the network, using the Ethernet connector.
6. Start FLIR IP Config.
7. In the main window, identify the camera and double-click it to open the camera user web.
8. Log in using the username *admin* and the password *admin*. (You can change these credentials later.)

You have now accessed the FLIR AX series user web and can set up and control the camera.

### 3.7 View from the front

See Figure 2.1 *View from the front*, page 2.

1. LED lamp.
2. Visual camera.
3. Infrared sensor.
4. Ethernet connector, M12, X-coded.
5. Power-I/O connector, M12, A-coded.
6. Mounting holes.

### 3.8 View from the side

See Figure 2.2 *View from the side*, page 2.

1. Factory reset button.

**Note** Do not hold down the factory reset button when connecting the camera to power.

2. Ethernet communication indicator LED (green).

3. Power/error indicator LED (blue/red).

#### 3.9 Typical system overview 1

See Figure 2.3 *Typical system overview 1*, page 3.

1. Coal mine conveyor belt.
2. Ethernet connector M12, X-coded.
3. Power-I/O connector M12, A-coded.
4. Digital output to a PLC.
5. Separate DIN rail power supply for galvanic isolation (10.8–30 V DC).
6. PC for the set up of the camera using the built-in web server.
7. PoE switch.
8. Infrared image on a monitor.

#### 3.10 Typical system overview 2

See Figure 2.4 *Typical system overview 2*, page 4.

1. Ethernet connector M12, X-coded.
2. PoE switch.
3. Supervisory control and data acquisition.
4. PC for the setup of the camera using the built-in web server.
5. Infrared image on a monitor.
6. PLC.
7. Readout and analysis of data from the camera using built-in measurement functions.
8. Electrical cabinets with circuit breakers.



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**Website**

<http://www.flir.com>

**Customer support**

<http://support.flir.com>

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Publ. No.: T810152  
Release: AB  
Commit: 78791  
Head: 78791  
Language: mul  
Modified: 2021-08-20  
Formatted: 2021-08-20



T810152