# Technical data sheet
# Camera
Part no.: 50132136
LCAM 408i C7F-XX

Figure can vary

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# Technical data

## Basic data

| | |
|---|---|
| **Series** | LCAM |
| **Suitable for** | Use of cleaning agents |
| **Chip** | CMOS |

## Functions

| | |
|---|---|
| **Software functions** | Image transfer |

## Optical data

| | |
|---|---|
| **Working range** | 1,000 ... 5,000 mm |
| **Camera resolution, horizontal** | 2,592 px |
| **Camera resolution, vertical** | 1,944 px |
| **Focal length** | 4 mm |
| **Chip size** | 1/2.5 in |
| **Frame rate (images per second), max.** | 53 pieces per second |
| **Camera type** | Color |

## Electrical data

### Performance data

| | |
|---|---|
| **Supply voltage $U_B$** | 18 ... 30 V, DC |
| **Power consumption, max.** | 3.6 W |

## Interface

| | |
|---|---|
| **Type** | Ethernet |

### Ethernet

| | |
|---|---|
| **Address assignment** | DHCP |
| | Manual address assignment |
| **Transmission speed** | 1 Gbit/s |
| | 10 Mbit/s |
| | 100 Mbit/s |
| **Function** | Process |
| | Service |
| **Switch functionality** | None |
| **Transmission protocol** | TCP/IP , RTP/RTSP |

## Connection

### Connection 1

| | |
|---|---|
| **Function** | Configuration interface |
| | Data interface |
| | Service interface |
| **Type of connection** | Connector |
| **Designation on device** | SERVICE |
| **Thread size** | M12 |
| **No. of pins** | 8 -pin |
| **Encoding** | X-coded |

### Connection 2

| | |
|---|---|
| **Function** | Voltage supply |
| **Type of connection** | Connector |
| **Designation on device** | PWR |
| **Thread size** | M12 |
| **No. of pins** | 4 -pin |
| **Encoding** | A-coded |

## Mechanical data

| | |
|---|---|
| **Dimension (W x H x L)** | 75 mm x 55 mm x 113 mm |
| **Housing material** | Metal |
| **Lens cover material** | Glass |
| **Net weight** | 411 g |

## Environmental data

| | |
|---|---|
| **Ambient temperature, operation** | -30 ... 70 °C |
| **Ambient temperature, storage** | -30 ... +70 °C |

## Certifications

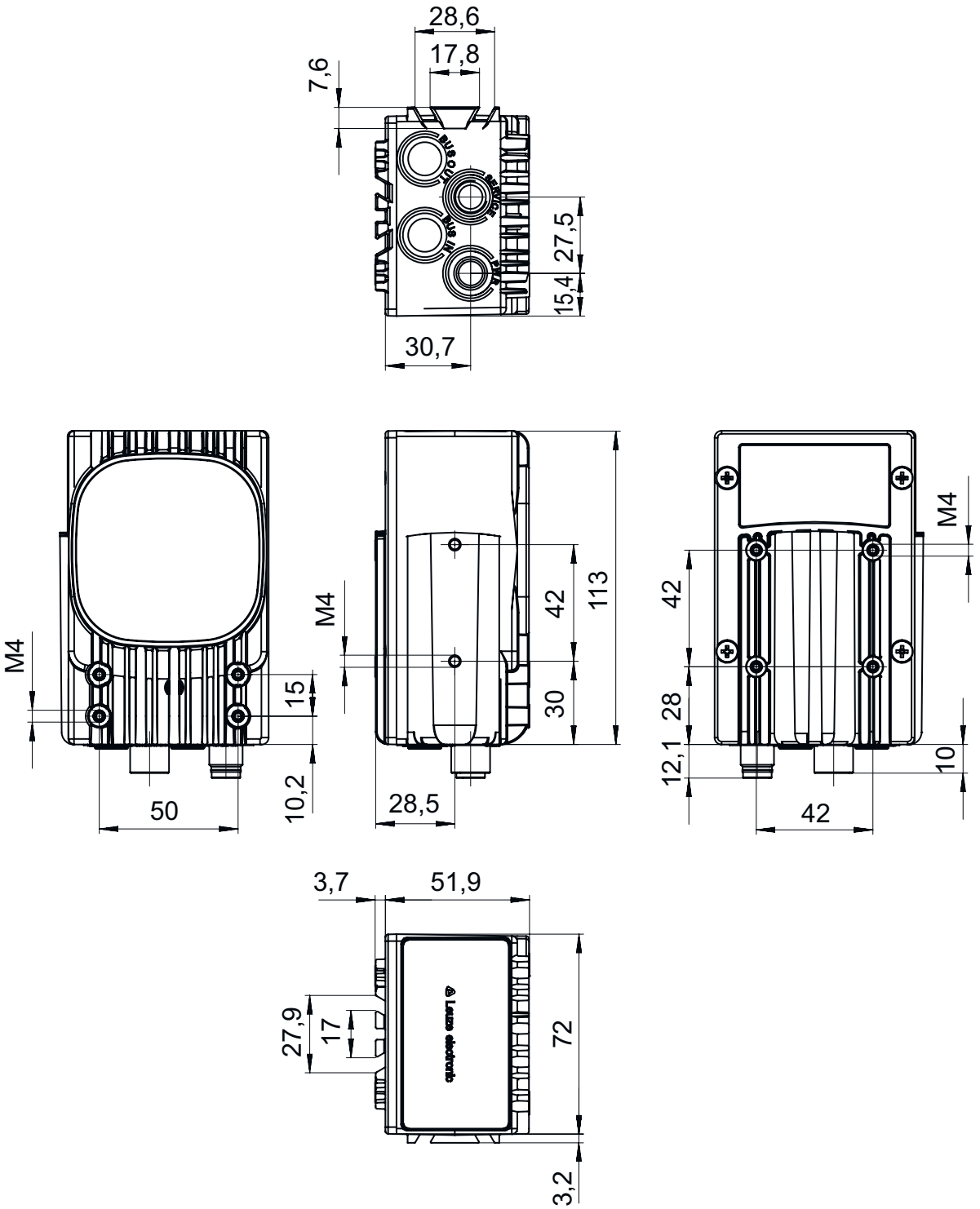
| | |
|---|---|
| **Degree of protection** | IP 65 |
| | IP 67 |

## Classification

| | |
|---|---|
| **Customs tariff number** | 84733080 |
| **eCl@ss 5.1.4** | 27310101 |
| **eCl@ss 8.0** | 27310101 |
| **eCl@ss 9.0** | 27310201 |
| **eCl@ss 10.0** | 27310101 |
| **eCl@ss 11.0** | 27310101 |
| **ETIM 5.0** | EC002550 |
| **ETIM 6.0** | EC002550 |
| **ETIM 7.0** | EC002550 |

# Dimensioned drawings

All dimensions in millimeters



# Electrical connection

| Connection 1 | SERVICE |
|---|---|
| **Function** | Configuration interface |
| | Data interface |
| | Service interface |
| **Type of connection** | Connector |
| **Thread size** | M12 |
| **Type** | Female |
| **Material** | Metal |
| **No. of pins** | 8 -pin |
| **Encoding** | X-coded |

| Pin | Pin assignment |
|---|---|
| **1** | D1+ |
| **2** | D1- |
| **3** | D2+ |
| **4** | D2- |
| **5** | D4+ |
| **6** | D4- |
| **7** | D3- |
| **8** | D3+ |

| Connection 2 | PWR |
|---|---|
| **Function** | Voltage supply |
| **Type of connection** | Connector |
| **Thread size** | M12 |
| **Type** | Male |
| **Material** | Metal |
| **No. of pins** | 4 -pin |
| **Encoding** | A-coded |

| Pin | Pin assignment |
|---|---|
| **1** | V+ |
| **2** | n.c. |
| **3** | GND |
| **4** | n.c. |

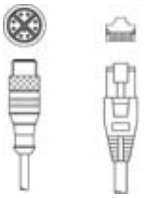
# Accessories

## Connection technology - Connection cables

| | Part no. | Designation | Article | Description |
|---|---|---|---|---|
| | 50130657 | KD U-M12-4A-P1-050 | Connection cable | Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin<br>Connection 2: Open end<br>Shielded: No<br>Cable length: 5,000 mm<br>Sheathing material: PUR |

# Accessories

## Connection technology - Interconnection cables

| | Part no. | Designation | Article | Description |
|---|---|---|---|---|
| | 50130743 | KDS U-M12-4A-M12-4A-P1-050 | Interconnection cable | Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin<br>Connection 2: Connector, M12, Axial, Male, A-coded, 4 -pin<br>Shielded: No<br>Cable length: 5,000 mm<br>Sheathing material: PUR |
|  | 50133387 | KSS ET-M12-8A-RJ45-A-P7-050 | Interconnection cable | Suitable for interface: Ethernet<br>Connection 1: Connector, M12, Axial, Male, X-coded, 8 -pin<br>Connection 2: RJ45<br>Shielded: Yes<br>Cable length: 5,000 mm<br>Sheathing material: PUR |

## Mounting technology - Mounting brackets

| | Part no. | Designation | Article | Description |
|---|---|---|---|---|
| | 50121433 | BT 300 W | Mounting device | Design of mounting device: Angle, L-shape<br>Fastening, at system: Through-hole mounting<br>Mounting bracket, at device: Screw type<br>Type of mounting device: Adjustable<br>Material: Metal |

## Mounting technology - Rod mounts

| | Part no. | Designation | Article | Description |
|---|---|---|---|---|
| | 50027375 | BT 56 | Mounting device | Functions: Static applications<br>Design of mounting device: Mounting system<br>Fastening, at system: For 16 mm rod, For 18 mm rod, For 20 mm rod<br>Mounting bracket, at device: Clampable<br>Material: Metal<br>Tightening torque of the clamping jaws: 8 N·m |

**Note**

A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.