

Technical data sheet

Camera

Part no.: 50132136

LCAM 408i C7F-XX

Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Accessories



For illustration purposes only



Ethernet

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 |
| Type of fastening | Dovetail grooves Mounting thread Via optional mounting device |

Environmental data

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

Certifications

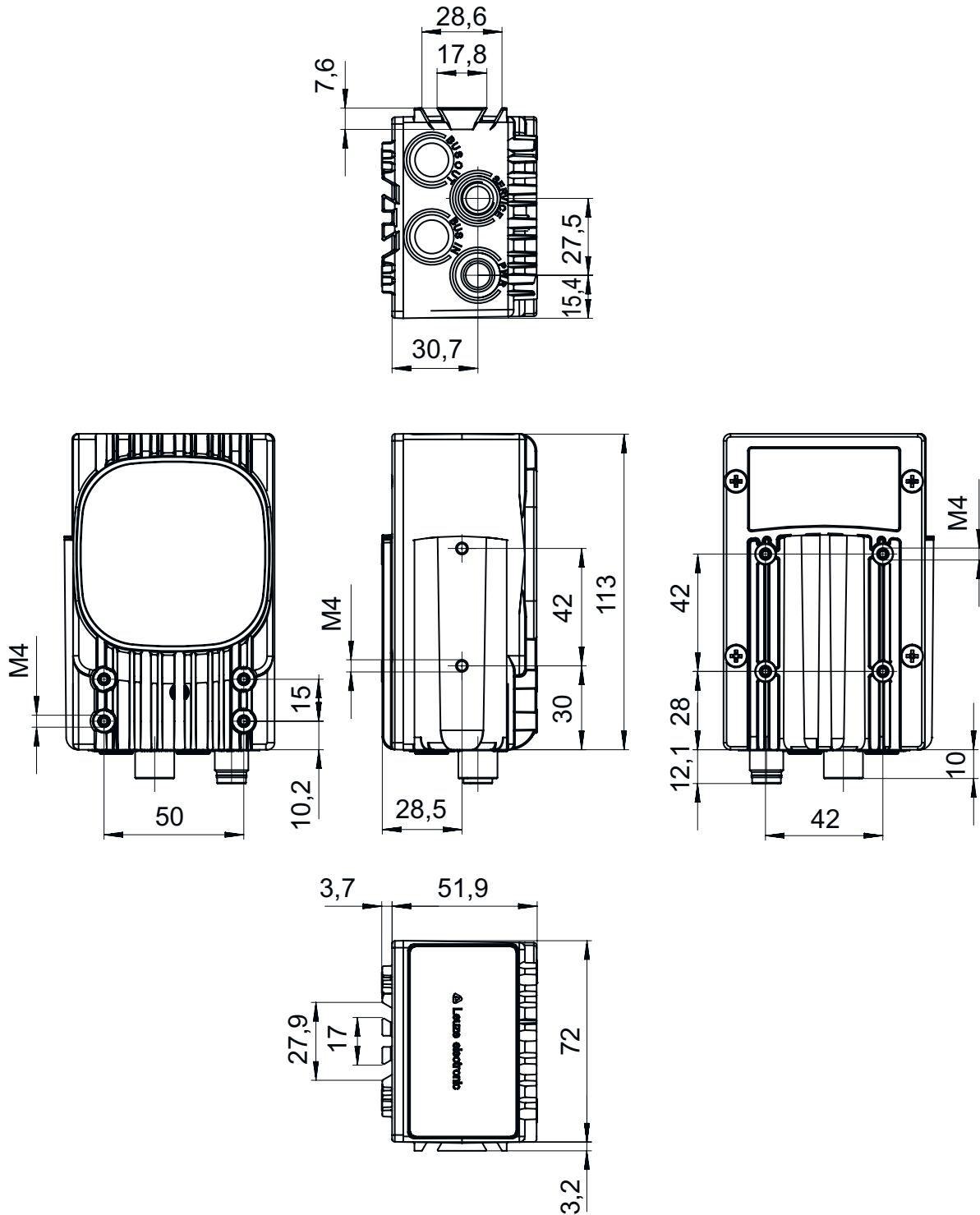
| | |
|----------------------|----------------|
| Degree of protection | IP 65 IP 67 |
|----------------------|----------------|

Classification

| | |
|-----------------------|----------|
| Customs tariff number | 85258900 |
| ECLASS 5.1.4 | 27310101 |
| ECLASS 8.0 | 27310101 |
| ECLASS 9.0 | 27310201 |
| ECLASS 10.0 | 27310101 |
| ECLASS 11.0 | 27310101 |
| ECLASS 12.0 | 27310101 |
| ECLASS 13.0 | 27310101 |
| ECLASS 14.0 | 27310101 |
| ECLASS 15.0 | 27310101 |
| ECLASS 16.0 | 27310101 |
| ETIM 5.0 | EC002550 |
| ETIM 6.0 | EC002550 |
| ETIM 7.0 | EC002550 |
| ETIM 8.0 | EC002550 |
| ETIM 9.0 | EC002550 |
| ETIM 10.0 | EC002550 |
| UNSPSC 26.08 | 43211718 |

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

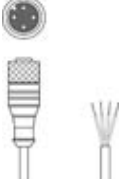
| | |
|--------------------|----------------|
| Function | Voltage supply |
| Type of connection | Connector |
| Thread size | M12 |
| Type | Male |
| Material | Metal |
| No. of pins | 4 -pin |
| Encoding | A-coded |

Pin Pin assignment

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


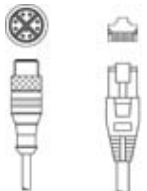
Accessories

Connection technology - Connection cables


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

Accessories


Connection technology - Interconnection cables

| | Part no. | Designation | Article | Description |
|---|----------|-----------------------------|-----------------------|---|
|  | 50130743 | KDS U-M12-4A-M12-4A-P1-050 | Interconnection cable | Application: Oil and lubricant resistant Connection 1: Connector, M12, Axial, Female, A-coded, 4 -pin Connection 2: Connector, M12, Axial, Male, A-coded, 4 -pin Shielded: No Cable length: 5,000 mm Sheathing material: PUR |
|  | 50137380 | KSS GB-M12-8A-RJ45-A-P7-050 | Interconnection cable | Suitable for interface: Ethernet Connection 1: Connector, M12, Axial, Male, X-coded, 8 -pin Connection 2: RJ45 Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR |


Connection technology - Connectors

| | Part no. | Designation | Article | Description |
|---|----------|-------------------|-----------|--|
|  | 50137169 | S GB-RJ45-8A-K-SK | Connector | Suitable for interface: Ethernet Connection: RJ45 |

Mounting technology - Mounting brackets

| | Part no. | Designation | Article | Description |
|---|----------|-------------|-----------------|---|
|  | 50121433 | BT 300 W | Mounting device | Contains: 4x M4 x 10 screw, 2x M6 x 10 screws, 4x M3 x 8 screw Design of mounting device: Angle, L-shape Fastening, at system: Through-hole mounting Mounting bracket, at device: Screw type Type of mounting device: Adjustable Material: Metal |

Mounting technology - Rod mounts

| | Part no. | Designation | Article | Description |
|--|----------|-------------|-----------------|---|
|  | 50027375 | BT 56 | Mounting device | Functions: Static applications Design of mounting device: Mounting system Fastening, at system: For 16 mm rod, For 18 mm rod, For 20 mm rod Mounting bracket, at device: Clampable Material: Metal 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.