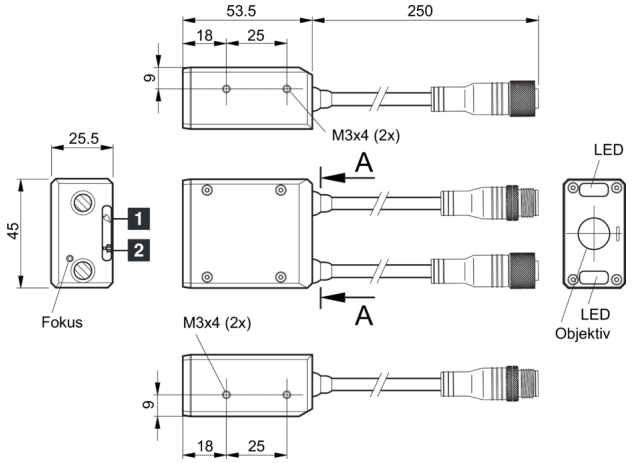
# 215500
# CS52-BM33-EP5/400ID
# CS 52 Vision Sensor

- Localization, parts detection, counting, reading codes
- Upgrade option: Reading plain text and smart licenses
- Ultra compact & very high-performing
- Internal LED lighting in white
- Flexible and productive Software nVision-i
- Parameter changes via linked Profinet inputs during execution
- Simple & intuitive parameterization
- Integrated lens with 3.6 mm focal length
- Flexible working distances




1) Green – operation, Red – signal digital input
2) Green – Data Link, Red – Ethernet Signal

**12-pol A-codiert**

| | | | |
|---|---|---|---|
| 1 | NC | 7 | Power (21-28V) |
| 2 | Digital IN1 | 8 | GND |
| 3 | Digital Out2 | 9 | NC |
| 4 | NC | 10 | Trigger (Digital IN0) |
| 5 | READY (Digital Out3) | 11 | Digital OUT0 |
| 6 | NC | 12 | Digital OUT1 |

**8-pol X-codiert**

| | | | |
|---|---|---|---|
| 1 | LAN A+ | 5 | LAN D+ |
| 2 | LAN A- | 6 | LAN D- |
| 3 | LAN B+ | 7 | LAN C- |
| 4 | LAN B- | 8 | LAN C+ |

**Function**

PROFINET EtherNet/IP™

| Technical data (typ.) | +20°C, 24 V DC |
|---|---|
| **Electrical features** | |
| Service voltage | 21 … 28 V DC |
| No-load current (max.) | 1000 mA (24 V DC) |
| Inverse polarity protection | No |
| Short-circuit protection | No |
| Insulation voltage endurance | 500 V |
| **Mechanical features** | |
| Housing material | Aluminum (Black, powder-coated) |
| Material | PMMA (Window / optics) |
| Lens connection | S-mount |
| Weight | 125 g |
| **General features** | |
| Model | CS 52 |
| Design | Cuboid design |
| Sensor type | SONY IMX900 |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# CS 52 Vision Sensor

| Technical data (typ.) | +20°C, 24 V DC |
|---|---|
| **Functional scope** | |
| Inspection tasks | Localization, Parts recognition, Counting, Measurement, Read code |
| Shutter | global |
| Code type - 1D-Codes (barcodes) | Code 2 of 5, Codabar, Code 128, Code 39, Databar, UPC / EAN, Pharmacode |
| Code type - 2D-Codes | Aztec Code, Data Matrix, Dotcode, QR |
| Code type - Stacked codes | PDF 417 |
| Internal lights | White |
| **Output, input, interface** | |
| Switching output | Open Emitter, 50 mA |
| Switching output number | 3 (programmable, 1 (Ready)) |
| Voltage drop (max.) | 2 V |
| Interface | Digital Input/Output |
| Protocols | TCP/IP, FTP/SFTP, Profinet, EtherNet/IP |
| **Optical data** | |
| Color | White (internal) |
| Focal length | 3.6 mm |
| **Detection range, measuring range, tolerance limits** | |
| Resolution | 1440 x 1080 Pixel (1.6 MP) |
| **Time behavior** | |
| Flash length | < 2 ms |
| **Ambient conditions** | |
| Protection type | IP 50 |
| **Electrical connection** | |
| Connection | Connector, 0.2 m, M12, 12-pin (A-coded) |
| Connection 2 | Socket, M12, 8-pin (X-coded) |
| Cable | Connection cables max. 25 m |

| More information / accessories | https://www.di-soric.com/215500 |
|---|---|


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