# V10-CR-S3-W-N-M2

## Ordering information

| | |
|---|---|
| **Designation for ordering** | V10-CR-S3-W-N-M2 |
| **Part number** | **631-91063** |
| **Order text** | VISOR® V10 Code Reader, Standard, max. 8 jobs each with 2 detectors, white illumination, narrow field of view, motorized focus, LAN interface |
| **Components supplied** | VISOR® vision sensor, Operating manual, Mounting bracket (MK 45) and Allen key |

| Optical data | |
|---|---|
| **Image chip type** | Monochrome |
| **Light source** | LED |
| **Light color** | White |
| **Wavelength** *[°K]* | 4500 |
| **LED risk category** *[RG]* | 1 |
| **Explanation of risk category** | Acc. to EN 62471 |
| **Resolution** | SVGA |
| **Number of pixels (H x V)** *[px]* | 800 x 600 |
| **Imaging chip technology** | CMOS |
| **Sensor size** *["]* | 1/3.6 |
| **Pixel size** *[µm]* | 4.80 |
| **Field of view type** | Narrow |
| **Operating distance** *[mm]* | 100 ... 10,000 |
| **Focal length** *[mm]* | 20.0 |
| **Opening angle** *[°]* | 10.0 |
| **Min. field of view (X x Y)** *[mm]* | 14 x 11 |
| **Aperture number** | 2.8 |
| **Depth of field** | Standard |
| **Focus drive** | Motorized |

| Functions | |
|---|---|
| **Hardware** | VISOR® |
| **Max. number of jobs** | 8 |
| **Max. number of detectors** | 2 |
| **Alignment** | - |
| **Available detectors** | Data code, Barcode |
| **Result processing** | - |
| **Pre-processing** | Arrangement |
| **Calibration** | - |
| **Robotic functions** | - |
| **Additional functions** | Archiving, Image transmission |
| **Network protocol** | TCP/IP, Profinet, EtherNet/IP, sFTP, SMB, FTP |

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| Electrical data | |
|---|---|
| **Operating voltage UB** *[V DC]* | 18 ... 30 |
| **Typical current draw** *[mA]* | 350 |
| **Type of voltage source** | The device must be supplied by a "Class 2" power supply unit. |
| **Readiness delay** *[ms]* | ≤ 16,000 |
| **Reverse polarity protection** | Yes |
| **Overvoltage protection** | No |
| **Residual ripple** *[%]* | ≤ 5 Vss, level 3 |
| **Explanation of residual ripple** | EN 61000-4-17 |
| **Polarity** | PNP/NPN |
| **Short circuit protection** | Yes |
| **Input threshold (High)** | > UB-1V |
| **Input threshold (Low)** | < 3V |
| **Input resistance** *[kΩ]* | > 20 |
| **Max. output current** *[mA]* | 50 |
| **Explanation of max. output current** | max. 100 mA on pin 12 |
| **Inductive loads** | Typ.: Relay 17 K / 2 H, pneumatic valve 1.4 K / 190 mH |
| **Max. output current (total)** *[mA]* | 200 |
| **Ethernet transmission rate** *[Mbit/s]* | 100 |
| **Number of switchable IOs** | 4 |
| **Number of outputs** | 2 |
| **Number of inputs** | 2 |
| **Encoder functions** | No |

| Mechanical data | |
|---|---|
| **Height** *[mm]* | 85.0 |
| **Length** *[mm]* | 45.0 |
| **Width** *[mm]* | 45.0 |
| **Weight** *[g]* | ~ 220 |
| **Front panel material** | PMMA |
| **Housing material** | Aluminum (cast) |
| **Connection name** | Supply |
| **- Number of pins** | 12 |
| **- Coding** | A |
| **- Thread** | M12x1 |
| **- Material** | Metal |
| **- Type** | Plug |
| **Connection name** | LAN |
| **- Number of pins** | 4 |
| **- Coding** | D |
| **- Thread** | M12x1 |
| **- Material** | Metal |
| **- Type** | Socket |
| **Ambient temperature: operation** *[°C]* | 0 ... 50 |
| **Explanation of ambient temperature: operation** | < 95 % humidity, non-condensing |
| **Ambient temperature: storage** *[°C]* | -20 ... 60 |
| **Explanation of ambient temperature: storage** | < 95 % humidity, non-condensing |
| **Protection class** | IP 65, IP 67 |
| **Explanation of protection class** | For C-mount devices, only in combination with protective tube |
| **Vibration and shock resistance** | EN 60068-2-6, EN 60068-2-27 |

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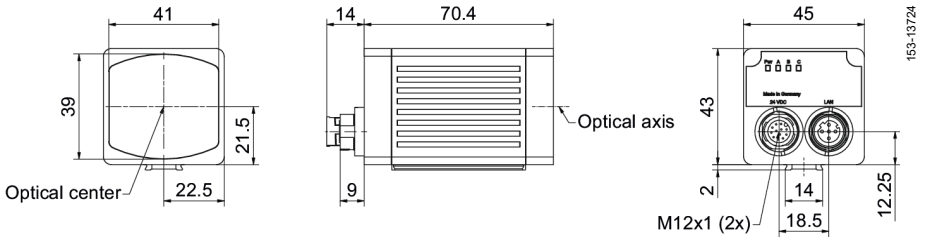
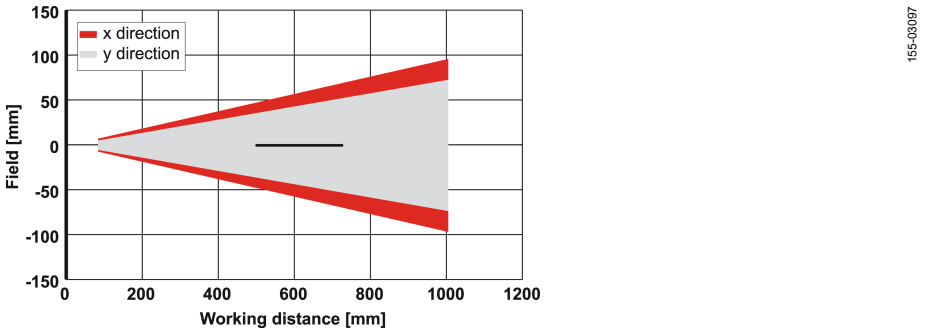
## Technical drawings

### Dimensional drawing




### Field of view

**Narrow**




## Product link

**https://www.sensopart.com/en/products/details/631-91063**