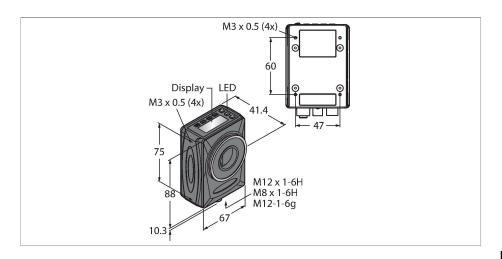


VE201G1A Image Processing – Smart Camera





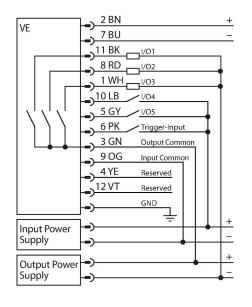
| Туре | VE201G1A |
|------------------------------|--|
| ID | 3801542 |
| Camera data | |
| Function | Multifunctional |
| Resolution | 1280 x 1024 Pixels |
| Pixel size | 5.3 µm |
| Frame rate | 60 fps |
| Exposure time | 0.02500 ms |
| Internal memory | 500 MB |
| Number of inspections | ≤ 999 |
| Lens | C-Mount |
| Electrical data | |
| Operating voltage | 1230 VDC |
| DC rated operational current | ≤ 400 mA |
| Short-circuit protection | yes |
| Reverse polarity protection | yes |
| Communication protocol | EtherNet/IP FTP Modbus TCP PCCC PROFINET RS232 |
| Output function | Input/output programmable, 5 × PNP/ NPN optically decoupled |
| Power on display | LED, Green |
| Switching state | LED, Yellow |
| Error indication | LED, red |
| Mechanical data | |
| Design | Rectangular, VE |



Features

- Image processing tools: grayscale value, object, edge and positioning functions; pattern, blob, blemish and bead detection
- Analysis tools: mathematical operations and measuring function
- Vision manager software with intuitive user interface
- ■1/1.8" CMOS, 1.3 MP image sensor
- ■2-line, 8-segment LCD display with pushbuttons
- ■5 x PNP/NPN, input/output
- ■External trigger input
- Connection for external lighting
- Supports Ethernet protocol PROFINET, EtherNet/IP and Modbus/TCP)
- Protection class IP20, IP67 with lens cover (sold separately)
- ■C-mount lens (sold separately)

Wiring diagram





Technical data

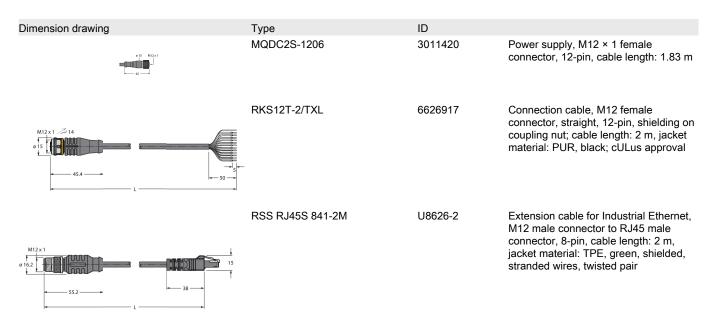
| Dimensions | 88 x 67 x 41.4 mm |
|-----------------------|-----------------------------|
| Housing material | Aluminium, AL |
| Electrical connection | Connector, M12 × 1, 12-wire |
| Ambient temperature | 0+50 °C |
| Protection class | IP20 IP67 |
| Tests/approvals | |
| Approvals | CE, cULus list |

Functional principle

The VE smart camera has a 1.3-megapixel CMOS image sensor and combines the ease of use and configuration (similar to the iVu image sensor) with the powerful complexity and multifunctionality (similar to the PresensePlus P4) of an image processing system. The vision manager software is an intuitive user interface. It has a variety of editing options, great flexibility in the creation and editing of inspections, as well as the possibility to simulate inspections with an emulator in the course of an application analysis.

Accessories

Accessories



Accessories

| Dimension drawing | Туре | ID | |
|-------------------|----------------|---------|--|
| # MA | LEDRRV70XD5-PM | 3097364 | High-intensity LED ring light, adjustable via potentiometer, for installation and control on a VE smart camera, light color: red |



| Dimension drawing | Туре | ID | |
|---|--------------|---------|--|
| 0-022-03-13-13-13-13-13-13-13-13-13-13-13-13-13 | LEDRRV62X62M | 3097378 | LED ring light for installation and control on a VE smart camera, light color: red |
| 8523 | VELC60-PC | 3097182 | Lens cover, length: 60 mm, Window material: Polycarbonate |