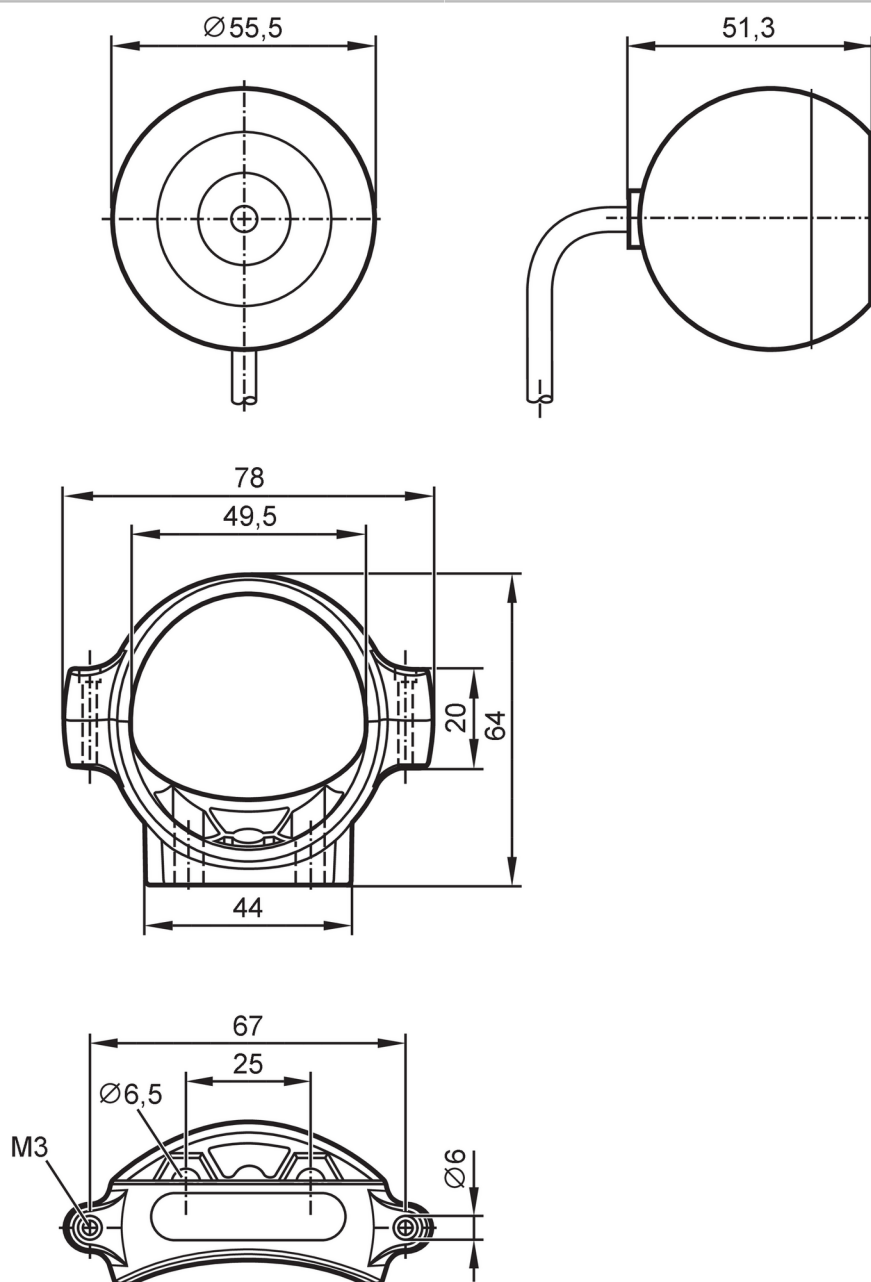


# O2M203



## Analog camera for mobile machines

O2MXOOKG/A1/GM/115/M



BIS CE E4 UK CA

### Product characteristics

|                   |      |           |
|-------------------|------|-----------|
| Image resolution  | [px] | 640 x 480 |
| Angle of aperture | [°]  | 118 x 89  |

### Application

|                 |                            |
|-----------------|----------------------------|
| Special feature | screened cable             |
| Application     | Integrated mirror function |

### Electrical data

|                        |      |                            |
|------------------------|------|----------------------------|
| Operating voltage      | [V]  | 12...32 DC                 |
| Current consumption    | [mA] | < 280; (with lens heating) |
| Overvoltage protection |      | yes                        |

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|                                 |                                                                          |                                                               |                                   |  |  |
|---------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------|--|--|
| Image sensor                    | ¼" 4:3 VGA CMOS image sensor color                                       |                                                               |                                   |  |  |
| Switch-on peak current          | [mA]                                                                     | 700                                                           |                                   |  |  |
| Switch-on peak current duration | [ms]                                                                     | 2                                                             |                                   |  |  |
| Outputs                         |                                                                          |                                                               |                                   |  |  |
| Video output                    | PAL (25 fps interlace) 720H x 576V (640 x 480), 1 V <sub>tt</sub> / 75 Ω |                                                               |                                   |  |  |
| Monitoring range                |                                                                          |                                                               |                                   |  |  |
| Field of view size              | [mm]                                                                     | Operating distance                                            | Field of view                     |  |  |
|                                 |                                                                          | 1000                                                          | 3330 x 1970                       |  |  |
|                                 |                                                                          | 2000                                                          | 6660 x 3930                       |  |  |
|                                 |                                                                          | 3000                                                          | 9990 x 5900                       |  |  |
|                                 |                                                                          | 4000                                                          | 13310 x 7860                      |  |  |
|                                 |                                                                          | 5000                                                          | 16640 x 9830                      |  |  |
| Image resolution                | [px]                                                                     | 640 x 480                                                     |                                   |  |  |
| Angle of aperture               | [°]                                                                      | 118 x 89                                                      |                                   |  |  |
| Light sensitivity               | [LUX]                                                                    | < 0.05                                                        |                                   |  |  |
| Dynamic range                   | [dB]                                                                     | > 80                                                          |                                   |  |  |
| Operating conditions            |                                                                          |                                                               |                                   |  |  |
| Ambient temperature             | [°C]                                                                     | -40...85                                                      |                                   |  |  |
| Storage temperature             | [°C]                                                                     | -40...100                                                     |                                   |  |  |
| Protection                      |                                                                          | IP 67; IP 69K                                                 |                                   |  |  |
| Tests / approvals               |                                                                          |                                                               |                                   |  |  |
| EMC                             |                                                                          | DIN EN 61000-6-4                                              | industrial environments           |  |  |
|                                 |                                                                          | DIN EN 61000-6-2                                              | industrial environments           |  |  |
|                                 |                                                                          | UN-ECE R10                                                    |                                   |  |  |
| Shock resistance                |                                                                          |                                                               | 50 g                              |  |  |
| Vibration resistance            |                                                                          | Frequency range 24...2000 Hz                                  | (15.3 x 9.81 m/s²) <sub>rms</sub> |  |  |
|                                 |                                                                          | PSD (g²/Hz)                                                   | 0.04...0.1                        |  |  |
| Salt spray test                 |                                                                          | IEC 60068-5-52                                                |                                   |  |  |
| Mechanical data                 |                                                                          |                                                               |                                   |  |  |
| Weight                          | [g]                                                                      | 313                                                           |                                   |  |  |
| Dimensions                      | [mm]                                                                     | Ø 55.5 / L = 51.3                                             |                                   |  |  |
| Material                        |                                                                          | housing: PC/ABS; front lens: polyamide reinforced glass-fiber |                                   |  |  |
| Accessories                     |                                                                          |                                                               |                                   |  |  |
| Items supplied                  |                                                                          | Mounting set:, E2M210                                         |                                   |  |  |
|                                 |                                                                          | screws: 2 x (M6 x 20 mm)                                      |                                   |  |  |
|                                 |                                                                          | washers: 2                                                    |                                   |  |  |
|                                 |                                                                          | Nuts: 2 x M6, self-locking                                    |                                   |  |  |
|                                 |                                                                          | anti-slide pad                                                |                                   |  |  |
| Remarks                         |                                                                          |                                                               |                                   |  |  |
| Pack quantity                   |                                                                          | 1 pcs.                                                        |                                   |  |  |



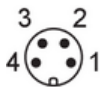
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Electrical connection

Cable: 0.5 m, screened; shield connected

Connector: 1 x M16; coding: A; Shielded connection cable: yes



|   |                              |
|---|------------------------------|
| 1 | coax cable core video signal |
| 2 | coax screen video GND        |
| 3 | U+                           |
| 4 | 0 V                          |