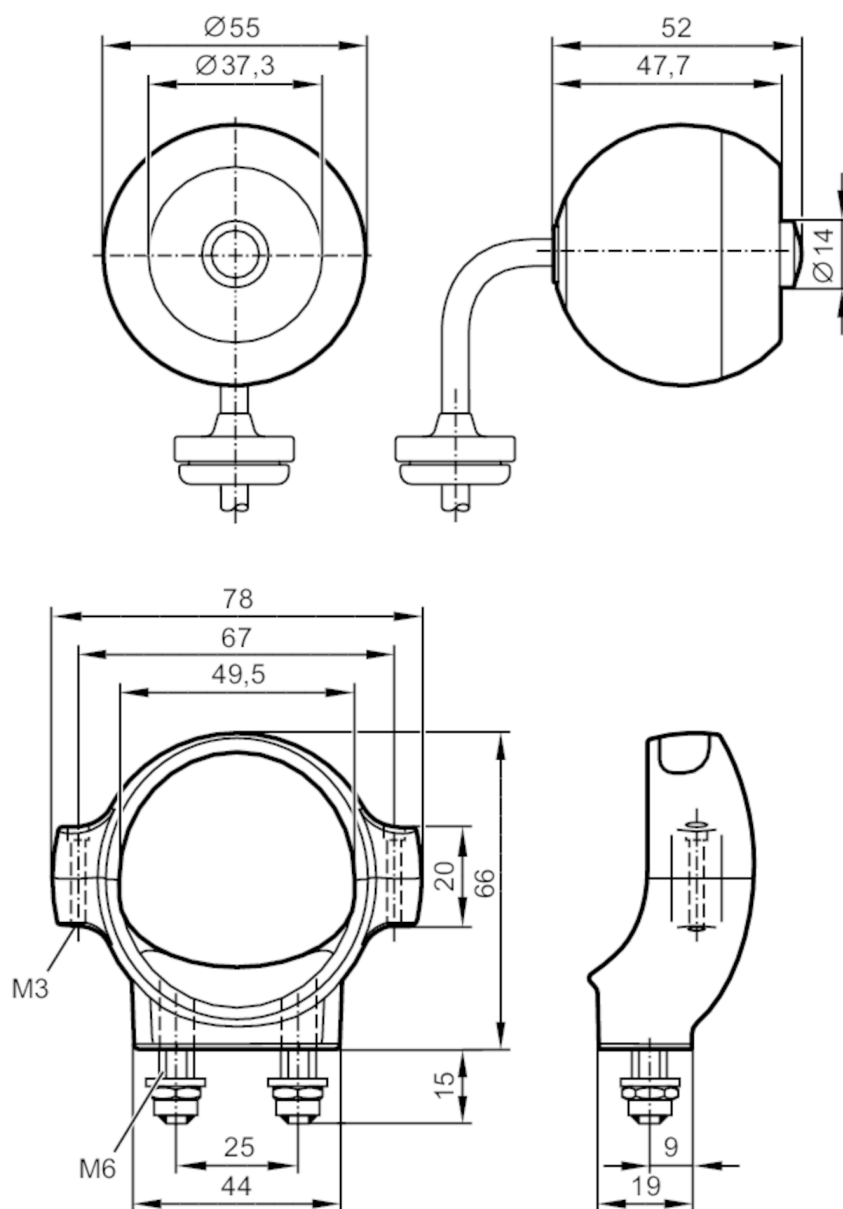


# O2M211



## Analogue camera for mobile machines

O2MXOOKG/A1/GM/170/M



### Product characteristics

|                   |      |           |
|-------------------|------|-----------|
| Image resolution  | [px] | 640 x 480 |
| Angle of aperture | [°]  | 170 x 117 |

### 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                                  |
| Image sensor           |      | 1/4" 4:3 VGA CMOS image sensor Color |
| Switch-on peak current | [mA] | 1000                                 |

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|                                 |      |   |
|---------------------------------|------|---|
| Switch-on peak current duration | [ms] | 2 |
|---------------------------------|------|---|

### Outputs

|              |                                                              |
|--------------|--------------------------------------------------------------|
| Video output | PAL (25 fps interlace) 720H x 576V (640 x 480), 1 Vtt / 75 Ω |
|--------------|--------------------------------------------------------------|

### Detection zone

| Field of view size | [mm]  | Operating distance [m] | field of view [m] |  |  |
|--------------------|-------|------------------------|-------------------|--|--|
|                    |       | 1                      | 22,86 x 3,26      |  |  |
|                    |       | 2                      | 45,72 x 6,53      |  |  |
|                    |       | 3                      | 68,58 x 9,79      |  |  |
|                    |       | 4                      | 91,44 x 13,05     |  |  |
|                    |       | 5                      | 114,30 x 16,32    |  |  |
| Image resolution   | [px]  | 640 x 480              |                   |  |  |
| Angle of aperture  | [°]   | 170 x 117              |                   |  |  |
| 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)rms   |
|                      | PSD (g²/Hz)                  | 0.04...0.1              |
| Salt spray test      | IEC 60068-5-52               |                         |

### Mechanical data

|            |      |                                                               |
|------------|------|---------------------------------------------------------------|
| Weight     | [g]  | 301.7                                                         |
| Dimensions | [mm] | Ø 55 / L = 52                                                 |
| Materials  |      | housing: PC/ABS; front lens: polyamide glass fibre reinforced |

### Accessories

|                |                            |
|----------------|----------------------------|
| Items supplied | Mounting set., E2M210      |
|                | screws: 2 x M6 x 20        |
|                | washers                    |
|                | Nuts: 2 x M6, self-locking |
|                | anti-slide pad             |

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

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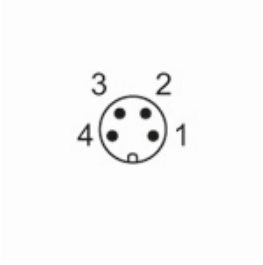
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### Electrical connection

Cable: 0.5 m, shielded; screen connected

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



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