

KERN OIV 255



The comprehensive digital solution for increased working comfort when carrying out continuous monitoring work in industry



| | |
|---------------------|--------------|
| Field of view [Min] | 4,18 mm |
| Field of view [Max] | 29,82 mm |
| Focusing mechanism | coarse drive |
| Sample height [Max] | 100 mm |

Illumination

| | |
|---------------------------------------|-----------------|
| Illumination type incident light | LED |
| Illumination intensity incident light | 2 W |
| Illuminance | Reflected light |
| Illumination dimmable | Incident light |

Functions

| | |
|------------------------------|--------------------|
| Memory function | ✓ |
| Memory - total size | 128 GB |
| Interfaces | HDMI USB-Device |
| Camera - applicable software | integrated |

Power Supply

| | |
|---|---|
| Input voltage power supply / power [Max] | 110 - 220 V |
| Input voltage device / power [Max] | 12 V, 3,3 A |
| Plug-in power supply type | Table power supply (not separable, no ground contact) |
| Supplied power supply | Power supply unit |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |
| | AUS |
| Plug-in power supply / adapter for countries - optional | UK US CH |

Environmental conditions

| | |
|---------------------------|-------|
| Storage temperature [Min] | -5 °C |
| Storage temperature [Max] | 40 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 510×430×350 mm |
| Net weight | 5,174 kg |
| Shipping method | Parcel service |
| Net weight approx. | 6 kg |
| Gross weight approx. | 8 kg |
| Shipping weight | 15,4 kg |

Category

| | |
|------------------|------------------|
| Brand | Optics |
| Product category | Microscope |
| Product group | Video microscope |
| Product family | OIV-2 |

Approval

| | |
|---------|---|
| CE mark | ✓ |
|---------|---|

Display

| | |
|---------------------|--------------|
| Display type | LCD |
| Display screen size | 12" |
| Display resolution | 1920×1080 HD |

Construction

| | |
|--------------------------|-----------------|
| Dimension (W×D×H) | 320×260×483 mm |
| Optical system | Axial |
| Contrasting methods | Bright field |
| Camera sensor type | CMOS |
| Camera sensor size | 1/2" |
| Camera resolution | 2 MP |
| Camera colour depth | Colour |
| Camera framerate | 60 fps |
| Camera - exposure method | Rolling Shutter |

Focussing

| | |
|---------------------|--------|
| Torque regulation | ✓ |
| Working distance | 105 mm |
| Zoom [Min] | 0,7 x |
| Zoom [Max] | 5 x |
| Magnification ratio | 7,1:1 |

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Pictograms

STANDARD

