

KERN OZL 464C825

The flexible, affordable all-rounder with zoom function as a digital solution for schools, training companies, inspection authorities and laboratories.



Ocular

| | |
|-----------------------|----------------|
| Ocular field width | HWF |
| Eye point | High Eye Point |
| Ocular magnifications | 10x |
| Ocular visual field | 20 mm |
| Ocular diameter | 30 mm |

Objective

| | |
|---------------------------|-------------|
| Objectives magnifications | 0,7x - 4,5x |
|---------------------------|-------------|

Illumination

| | |
|--|--|
| Illuminance | Transmitted light |
| Illumination type incident light | LED |
| Illumination type transmitted light | LED |
| Illumination intensity incident light | 3 W |
| Illumination intensity transmitted light | 3 W |
| Illumination dimmable | Incident light + Transmitted light, separate |

Focussing

| | |
|---------------------|--------------|
| Field of view [Min] | 4,4 mm |
| Field of view [Max] | 28,6 mm |
| Zoom [Min] | 0,7x |
| Zoom [Max] | 4,5x |
| Sample height [Max] | 140 mm |
| Torque regulation | ✓ |
| Working distance | 105 mm |
| Magnification ratio | 6,4:1 |
| Focusing mechanism | coarse drive |

Stereomicroscope stand

| | |
|---------------------------------------|--------|
| Stand type | pillar |
| Diameter mounting microscope head (Ø) | 76 mm |

Camera

| | |
|--------------------------|----------------------------------|
| Cameratype | USB2 Microscope camera - C-Mount |
| Camera - Resolution | 5,1 MP |
| Camera - Sensor type | CMOS |
| Camera - Sensor size | 1/2,5" |
| Camera - Colour depth | Colour |
| Camera - Framerate | 6,8 - 55 fps |
| Camera- Mounting types | C-mount thread |
| Camera - Exposure method | Rolling Shutter |

Category

| | |
|------------------|------------------------|
| Brand | Optics |
| Product category | Microscope |
| Product group | Digital microscope set |
| Product family | OZL-S |

Construction

| | |
|-------------------------------|----------------|
| Dimension (W×D×H) | 300×240×490 mm |
| Optical system | Greenough |
| Tube type | Trinocular |
| Tube angle of inclination | 45° |
| Tube 360° rotation | ✓ |
| Light distribution | 0:100 |
| Contrasting methods | Bright field |
| Eyepieces fixed | ✓ |
| Interpupillary distance [Min] | 55 mm |
| Interpupillary distance [Max] | 75 mm |
| Diopter adjustment | both-sided |
| Diopter adjustment [Min] | -5 |
| Diopter adjustment [Max] | 5 |

Functions

| | |
|------------------------------|----------------------------------|
| Camera - Applicable software | Microscope VIS 2.0 Pro (OXM 902) |
| | Win XP |
| | Win Vista |
| Supported operating systems | Win 7 |
| | Win 8 |
| | Win 10 |

Interface

| | |
|------------|---------|
| Interfaces | USB 2.0 |
|------------|---------|

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Power Supply

| | |
|---|-----------------------|
| Supplied power supply | Power supply unit |
| Power supply type | Built-in power supply |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |
| | AUS |
| Plug-in power supply / adapter for countries - optional | UK |
| | US |
| | CH |
| Input voltage power supply / power [Max] | 100 - 240 V |
| Power supply cable removable | removable |
| Input voltage device / power [Max] | 100 - 240 V |
| Power socket for mains adapter | Power supply cable |

Environmental conditions

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

Approval

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

Packing & Shipping

| | |
|------------------------------|----------------|
| Delivery time | 1 d |
| Dimensions packaging (WxDxH) | 590×440×390 mm |
| Shipping method | Parcel service |
| Net weight approx. | 5,0 kg |
| Gross weight approx. | 7 kg |
| Shipping weight | 20,2 kg |

Product information

| | |
|----------------------|--------------------------|
| GTIN/EAN number | 4045761228696 |
| Trade number | 90118000 |
| REACH classification | no prohibited substances |

Pictograms

STANDARD

