# KERN **OZL 464T241**

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



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

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

| Display | |
| --- | --- |
| Display type | LCD touch |
| Display type | LCD touch |
| Display screen size | 9,7" |
| Display resolution | 2048×1536 |

| Construction | |
| --- | --- |
| Dimension (W×D×H) | 300×240×640 mm |
| Optical system | Greenough |
| Tube type | Trinocular |
| Tube angle of inclination | 45° |
| Tube 360° rotation | ✓ |
| Diopter adjustment | both-sided |
| Diopter adjustment [Min] | -5 |
| Diopter adjustment [Max] | 5 |
| Contrasting methods | Bright field |
| Light distribution | 100:0 |
| Interpupillary distance [Max] | 75 mm |
| Interpupillary distance [Min] | 55 mm |
| Camera adapter type | C-Mount |
| Supported camera types | Microscope Camera |
| Camera type | Tablet camera |
| Camera sensor type | Sony CMOS |

| | |
| --- | --- |
| Camera sensor size | 1/2,8" |
| Camera resolution | 5 MP |
| C-Mount focusable | ✓ |
| C-Mount magnification | 0,5 x |
| Camera colour depth | Colour |
| Camera framerate | 30 fps |
| Camera mounting types | C-mount thread |
| Camera - exposure method | Rolling Shutter |

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

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

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

| Functions | |
| --- | --- |
| Memory - total size | 128 GB |
| Interfaces | WiFi standard USB 2.0 HDMI MicroSD card slot |
| Supported operating systems | Android |
| Camera - applicable software | integrated |

# KERN **OZL 464T241**

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## Power Supply

| | |
|---|---|
| Input voltage power supply / power [Max] | 100 - 240 V |
| Input voltage device / power [Max] | 100 - 240 V |
| Plug-in power supply type | Built-in power supply |
| Supplied power supply | Power supply unit |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |
| Plug-in power supply / adapter for countries - optional | AUS 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) | 590×440×390 mm |
| Net weight | 5,075 kg |
| Shipping method | Parcel service |
| Net weight approx. | 6 kg |
| Gross weight approx. | 7 kg |
| Shipping weight | 20,2 kg |

## Pictograms