

KERN OBN 132T24 1



The digital laboratory assistant with infinity optical unit and professional Koehler illumination



Category

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

Display

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

Construction

| | |
|---------------------------|----------------|
| Dimension (W×D×H) | 390×235×620 mm |
| Optical system | Infinity |
| Tube type | Trinocular |
| Tube angle of inclination | 30° |
| Tube 360° rotation | ✓ |
| Tube type | Siedentopf |
| Light distribution | 100:0 |

Contrasting methods

Bright field
Darkfield (optional)
Polarisation (optional)
Fluorescent (optional)
Phase contrast (optional)

Standard objectives

4×
10×
20×
40×
100×

Lens quality Infinity Plan

Nosepiece screw-in locations 5

Interpupillary distance [Min] 50 mm

| | |
|-------------------------------|------------|
| Interpupillary distance [Max] | 75 mm |
| Diopter adjustment | both-sided |
| Diopter adjustment [Min] | -5 |
| Diopter adjustment [Max] | 5 |
| C-Mount magnification | 0,5 x |
| C-Mount focusable | ✓ |

Functions

| | |
|------------------------------|------------|
| Camera - Applicable software | integrated |
| Supported operating systems | Android |
| Memory - total size | 128 GB |

Interface

| | |
|------------|---|
| Interfaces | WiFi standard USB 2.0 HDMI MicroSD card slot |
|------------|---|

Ocular

| | |
|-----------------------|----------------|
| Ocular field width | HWF |
| Eye point | High Eye Point |
| Ocular magnifications | 10 x |
| Ocular visual field | 20 mm |
| Ocular diameter | 23,2 mm |

Illumination

| | |
|--|-------------------|
| Illuminance | Transmitted light |
| Illumination type incident light | none |
| Illumination type transmitted light | Halogen |
| Illumination intensity transmitted light | 20 W |
| Illumination dimmable | Transmitted light |
| Koehler illumination | ✓ |
| Filter possible | ✓ |
| Aperture diaphragm | ✓ |
| Field diaphragm | ✓ |
| Brand of light bulb | Philips |

Focussing

| | |
|---------------------|-------------------------------|
| Field of view [Min] | 0,2 mm |
| Field of view [Max] | 5 mm |
| Torque regulation | ✓ |
| Fine drive minimum | 0,002 mm |
| Focusing mechanism | coaxial coarse and fine drive |

KERN OBN 132T241



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Camera

| | |
|--------------------------|-----------------|
| Cameratype | Tablet camera |
| Camera - Resolution | 5 MP |
| Camera - Sensor type | Sony CMOS |
| Camera - Sensor size | 1/2,8" |
| Camera - Colour depth | Colour |
| Camera - Framerate | 30 fps |
| Camera- Mounting types | C-mount thread |
| Camera - Exposure method | Rolling Shutter |

Power Supply

| | |
|---|-----------------------|
| Supplied power supply | Power supply unit |
| Plug-in power supply type | Built-in power supply |
| Plug-in power supply / adapter for countries - included with the delivery | EURO |
| Input voltage power supply / power [Max] | 100 - 240 V |
| Input voltage device / power [Max] | 100 - 240 V |

Environmental conditions

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

Approval

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

Packing & Shipping

| | |
|------------------------------|----------------|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 590×440×390 mm |
| Shipping method | Parcel service |
| Net weight approx. | 10 kg |
| Gross weight approx. | 13 kg |
| Shipping weight | 20,2 kg |

Pictograms