

# KERN OZP 558C825

# KERN

First-class optics as well as strong illumination combined with a high level of flexibility and digital tools



## Category

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

## Approval

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

## Construction

|                               |                                      |
|-------------------------------|--------------------------------------|
| Dimension (W×D×H)             | 330×285×540 mm                       |
| Optical system                | Greenough                            |
| Tube type                     | Trinocular                           |
| Tube angle of inclination     | 35°                                  |
| Tube 360° rotation            | ✓                                    |
| Diopter adjustment            | both-sided                           |
| Diopter adjustment [Min]      | -6                                   |
| Diopter adjustment [Max]      | 6                                    |
| Contrasting methods           | Bright field<br>Darkfield (optional) |
| Light distribution            | 100:0                                |
| Interpupillary distance [Max] | 76 mm                                |
| Interpupillary distance [Min] | 52 mm                                |
| Camera type                   | USB2 Microscope camera - C-Mount     |
| Camera sensor type            | CMOS                                 |
| Camera sensor size            | 1/2,5"                               |
| Camera resolution             | 5,1 MP                               |
| Camera colour depth           | Colour                               |
| Camera framerate              | 6,8 - 55 fps                         |
| Camera mounting types         | C-mount thread                       |
| Camera - exposure method      | Rolling Shutter                      |

## Ocular

|                       |       |
|-----------------------|-------|
| Ocular field width    | HSWF  |
| Ocular magnifications | 10 x  |
| Ocular visual field   | 23 mm |
| Ocular diameter       | 30 mm |

## Focussing

|                     |              |
|---------------------|--------------|
| Torque regulation   | ✓            |
| Working distance    | 108 mm       |
| Zoom [Min]          | 0,6 x        |
| Zoom [Max]          | 5,5 x        |
| Magnification ratio | 9,2:1        |
| Field of view [Min] | 4,2 mm       |
| Field of view [Max] | 38,3 mm      |
| Focusing mechanism  | coarse drive |
| Sample height [Max] | 110 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                              | Transmitted light<br>Incident light +<br>Transmitted light,<br>separate |
| Illumination dimmable                    |   |

## Functions

|                              |   |
|------------------------------|---|
| Interfaces                   | USB 2.0   |
| Supported operating systems  | Win XP<br>Win Vista<br>Win 7<br>Win 8<br>Win 10 |
| Camera - applicable software | external (OXM 901, OXM 902)                     |

## Power Supply

|   |                       |
|---|-----------------------|
| Input voltage power supply / power [Max]                                  | 110 - 220 V           |
| Input voltage device / power [Max]  | 110 - 220 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                  |

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|   |     |
|---|-----|
| 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                   | 5,4616 kg      |
| Shipping method              | Parcel service |
| Net weight approx.           | 6 kg           |
| Gross weight approx.         | 8 kg           |
| Shipping weight              | 20,2 kg        |

## Pictograms