

Digital Microscope Set 4x - KERN OBN 142T251

Item no. KER-OBN 142T251

Manufacturer Kern

EAN 4045761490918

The KERN OBN 142T251 combines a trinocular fluorescence microscope with the ODC 251 tablet camera in a ready-to-use digital set. A 5 W LED epi-fluorescence source and Koehler transmitted light deliver high-contrast images, while the 8 MP camera records in 4K and streams live to the 10.5-inch HD touch display.

TECHNICAL DATA

Country of Manufacture	China
Display-Art	HD Touch Screen
HS-Code	90118000
Schnittstelle	Bluetooth, Ethernet, HDMI, USB, WLAN
Weight	14 kg



DESCRIPTION

For anyone who needs to document fluorescence specimens and review them on screen as a team, the KERN OBN 142T251 arrives as a complete digital set: microscope, ODC 251 tablet camera and the matching C-mount adapter are tuned to work together. The 5 W LED epi-fluorescence source and professional Koehler illumination produce evenly lit, high-contrast images.

BENEFITS

- **Fluorescence and transmitted light combined:** 5 W LED epi-fluorescence and 3 W LED transmitted light with a 6-position filter wheel (B/G/UV/V)
- **Digital documentation:** 8 MP camera with 4K recording plus length and area measurement, streamed live to the 10.5-inch HD touch display
- **Koehler illumination:** adjustable field diaphragm and height-adjustable 1.25 Abbe condenser for even lighting
- **Fully connected:** Ethernet, Bluetooth, WLAN, USB 2.0, USB 3.0 and HDMI for storage, streaming and external display
- **Infinity Plan optics:** 4x, 10x, 20x, 40x and 100x objectives on a trinocular head

TECHNICAL DATA

- **Optical system:** Infinity-corrected
- **Head:** Trinocular, 30° inclination
- **Objectives:** 4x / 10x / 20x / 40x / 100x
- **Objective class:** Infinity Plan

- **Eyepiece:** 10x, field of view 20 mm
- **Transmitted-light illumination:** 3 W LED
- **Reflected-light illumination:** 5 W LED (epi-fluorescence)
- **Interpupillary distance:** 50 mm - 75 mm
- **Camera:** 8 MP, 4K, CMOS sensor, 1/1,8"
- **Display:** HD touchscreen
- **Interfaces:** Ethernet, Bluetooth, WLAN, USB 2.0, USB 3.0, HDMI
- **Power supply:** 100 - 240 V
- **Net weight:** approx. 11 kg

APPLICATIONS

Suited to fluorescence microscopy in the laboratory, quality control and in teaching and study, where specimens are observed live on screen and recorded for documentation.

COMPLIANCE AND ORIGIN

- **EAN:** 4045761490918
- **Customs tariff code:** 90118000
- **Origin:** China