

# KERN OIV 345

# KERN

The entry level video microscope with bright image reproduction and intuitive operation



## Category

Brand	Optics
Product category	Microscope
Product group	Video microscope
Product family	OIV-3

## Display

Display type	LCD
Display screen size	12"
Display resolution	1920×1080 HD

Languages of the user interface	German English French Spanish Italian Russian
---------------------------------	--

## Construction

Dimension (W×D×H)	320×260×450 mm
Dimension display device (W×D×H)	275×170×12 mm
Material display housing	Plastics
Optical system	Axial
Tube type	Trinocular
Contrasting methods	Bright field

## Functions

Camera - Applicable software	integrated Image capturing Video capturing
Camera - Software functions	Image editing/ Documentation Measurements
Memory - total size	32 GB

## Interface

Interfaces	USB 2.0 HDMI MicroSD card slot
------------	--------------------------------------

## Objective

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

## Illumination

Illuminance	Reflected light
Illumination type incident light	LED
Illumination intensity incident light	3 W
Illumination dimmable	Incident light

## Focussing

Field of view [Min]	2,5 mm
Field of view [Max]	16 mm
Zoom [Min]	0,7 x
Zoom [Max]	4,5 x
Sample height [Max]	110 mm
Working distance	100 mm
Magnification ratio	6,4:1
Focusing mechanism	coarse drive

## Stereomicroscope stand

Stand type	mechanical
------------	------------

## Camera

Cameratype	integrated tablet-camera
Camera - Resolution	5 MP
Camera - Sensor type	Sony CMOS
Camera - Sensor size	1/2,8"
Camera - Framerate	60 fps
Camera - Exposure method	Rolling Shutter

## Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Table power supply (separable)
Plug-in power supply / adapter for countries - optional	UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	12 V, 2000 mA

# KERN OIV 345



The entry level video microscope with bright image reproduction and intuitive operation

## 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)	420×390×250 mm
Net weight	4,3 kg
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	8,2 kg

## Pictograms

### STANDARD

