

KERN OIV 345



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

Interface

Interfaces	USB 2.0 HDMI MicroSD card slot
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Objective

Objectives magnifications	0,7 x - 4,5 x
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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
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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 - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	EURO
	UK
	US
	CH

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Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
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Input voltage device / power [Max]	12 V, 2000 mA
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Environmental conditions

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

CE mark	✓
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	420×390×250 mm
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Shipping method	Parcel service
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Net weight approx.	4,4 kg
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Gross weight approx.	6 kg
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Shipping weight	8,2 kg
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Pictograms

STANDARD





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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.