

KERN OIV 345



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



Date of creation: 13.09.2026

Category

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

Display

Display type	LCD
Display screen size	11.6"
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	cast aluminium, plastic
Optical system	Axial
Tube type	Display
Contrasting methods	Bright field

Functions

Camera - Applicable software	S-Viewer (OXM 904) integrated camera software
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Camera - Software functions

Image capturing
Video capturing
Image editing/
Documentation
Measurements

Supported operating systems

Win 7
Win 8
Win 10
Win 11

Memory function

✓

Memory - total size

32 GB

System requirements CPU

Intel Core i3 or higher
AMD Ryzen 5 or higher

System requirements RAM

8 GB

System requirements SSD storage

128 GB SSD

System requirements graphics
card

NVIDIA GeForce RTX
3060
AMD Radeon RX 6600

System requirements screen

20.5" Full HD,
1920x1082

System requirements clock speeds

2.8 GHz

Interface

Interfaces

USB 2.0
HDMI
MicroSD

Objective

Objectives magnifications

0,5x

Illumination

Illuminance

Reflected light

Illumination type incident light

LED

Illumination intensity incident light

3 W

Illumination dimmable

Incident light

Focussing

Field of view [Min]

2,3 mm

Field of view [Max]

14,77 mm

Standard total magnification [Min]

15,96x

Standard total magnification [Max]

102,6x

Click-Stop-Zoom

✓

Zoom [Min]

0,7x

Zoom [Max]

4,5x

Sample height [Max]

110 mm

Torque regulation

✓

Working distance

100 mm

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Magnification ratio	6,4:1
Focusing mechanism	coarse drive

Stereomicroscope stand

Stand type	mechanical
Column height	330 mm

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- Mounting types	Plug-in connection
Camera - Exposure method	Rolling Shutter

Power Supply

Supplied power supply	Power supply unit
Power supply type	Table power supply (separable)

Plug-in power supply / adapter for countries - included with the delivery	EURO
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Plug-in power supply / adapter for countries - optional	EURO UK US CH
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Power supply - Cable length	2,5 m
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Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
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Power supply cable removable	removable
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Input voltage device / power [Max]	12 V, 2000 mA
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Power socket for mains adapter	Inside plus, outside minus
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Battery capacity	6 mAh
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Battery voltage	3 V
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Battery - Number of cells	1
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Battery - Individual weight	0,22 g
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Battery - Total weight	0,22 g
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Battery - Construction	Individual cells
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Battery capacity (Wh)	0,018 Wh
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Battery - Lithium content	2 mg
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Battery - Tests passed UN 38.3	✓
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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
Dimensions packaging (W×D×H)	420×390×250 mm
Shipping method	Parcel service
Net weight approx.	4,4 kg
Gross weight approx.	6 kg
Shipping weight	8,2 kg
Shipping volume weight	8,2 kg

Product information

GTIN/EAN number	4045761478985
Trade number	90118000
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



Environmental conditions

Storage temperature [Min]	-5 °C
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