KERN **OIV 345**

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

Date of creation: 14.11.2026

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	
Memory function	✓
Supported operating systems	Win 7 Win 8 Win 10 Win 11
Memory - total size	32 GB
Camera - Software functions	Image capturing Video capturing Image editing/ Documentation Measurements
Camera - Applicable software	S-Viewer (OXM 904) integrated camera software
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
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Power supply – Cable length	2,5 m
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	12 V, 2000 mA
Power socket for mains adapter	Inside plus, outside minus
Battery capacity	6 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	0,22 g
Battery – Total weight	0,22 g
Battery – Construction	Individual cells
Battery capacity (Wh)	0,018 Wh
Battery – Lithium content	2 mg
Battery – Tests passed UN 38.3	✓

Environmental conditions

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

Approval

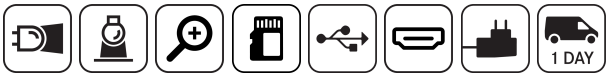
CE mark	✓

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	420×390×250 mm
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