

## PRODUCT BROCHURE

# OPTICS OIV 345

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ENGLISH



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

### CONTACT

KERN & SOHN GmbH  
Ziegelei 1  
72336 Balingen  
Germany

Phone : +49 7433 9933-0  
Fax : +49 7433 9933-149  
Email : [info@kern-sohn.com](mailto:info@kern-sohn.com)  
Web : [www.kern-sohn.com](http://www.kern-sohn.com)



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## PRODUCT SHOWCASE



## DESCRIPTION

- The KERN OIV 345 is a video microscope which has been constructed to optimise digital stereo microscopy. Our well-conceived, comprehensive solution with axial optical unit enables immediate, simple display of your samples on the screen
- The LED incident illumination unit (ring) included as standard guarantees the very best illumination of your sample
- Combined with the large working surface, recording objects on the screen is ideally suited for monitoring, analysis and documentation in industrial environments
- The excellent optical unit enables continuous sharp image tracking across the entire zoom range from 0,7x - 4,5x
- The powerful 5.0 megapixel camera of the microscope without eyepiece has a high level of colour reproduction and offers smooth live monitoring of your samples using the HD monitor
- The high-quality display made from toughened glass is easy to clean due to the absence of edges
- The intuitive software and wireless USB mouse, both included with delivery, make it possible for you to easily process your results digitally and store them
- Using an HDMI interface it is possible to connect an additional monitor and in this way you can observe two devices operated in parallel in real time
- The image can be viewed on the PC using a USB connection. The software required for this also offers the option of carrying out measurements. It is available for download (S-Viewer microscope camera software)
- A special feature of this microscope range are the zoom wheels with integrated click stop. These offer precise selection of magnification levels and support the user when calibrating the documentation functions in the software
- The video microscope has one HDMI and two USB 2.0 interfaces as well as a micro SD card slot
- A protective dust cover, a USB stick (32 GB), a wireless USB mouse as well as multi-lingual user instructions

are included in the delivery

- Menu languages: DE, EN, FR, IT, RU, JA, ZH

## SPECIFICATIONS

### Article codes, product groups & Status information

Model article-code	OIV 345
Model-Serie	OIV-3
Assortment	Optics
Product Type	Microscopes
Product group	Video microscopes
Product usage type	Main article
EAN code (Model)	404576 1478985
Predecessor Model	OIV 345-2023a
Customs tariff number	90118000
CE Label	yes

### Technical data - Primary

Optical System	Axial
Objectives	0.7x - 4.5x
Illumination	3W LED (Auflicht)
Camera resolution	5 MP
Sensor type	Sony CMOS
Sensor size	1/2,8"

### Technical data - Construction

System	Upright
Stand type	mechanical
Stand area	260×320 mm

Focusing mechanics coarse drive

Visual field min 2.5 mm

Visual field max 16 mm

Working distance 100 mm

Sample height max 110 mm

Interfaces HDMI;MicroSD  
Kartenslot;USB 2.0

Operating system Win 10;Win 11;Win  
7;Win 8

Applicable software integrierte  
Kamerasoftware;S-  
Viewer (OXM 904)

Software functions Bildaufnahme;Bildbearbe-  
itung/Dokumentation;M  
essungen;Videoaufnahm  
e

Dimensions (W×D×H) 320×260×450 mm

### Technical data - Display

Display type LCD

Screen size 12"

Display resolution 1920x1080 HD

Display tilting -5° - 90°

### Technical data - Power supply

Power supply kind Table power supply  
(separable)

Input Voltage 100 V - 240 V, 50 / 60  
Hz

Power Plug Inside plus, outside  
minus

Protection Class Class III - Low voltage

Cable attachment removable

## Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 420×390×250 mm

Gross weight 6 kg

Net weight 4.4 kg

Shipping method Parcel service

Packaging component - by weight - paper 0 g

Packaging component - by weight - cardboard 320 g

Packaging component - by weight - plastics 30 g

Packaging component - by weight - styrofoam 650 g

Delivery time 1 d

## FUNCTIONS

Standard



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## Technical data - Environmental conditions

Storage Temp Min -5 °C

Storage Temp Max 40 °C

## Technical data - Verification

WEEE yes

## Technical data - Illumination

Illumination directions Reflected light

Incident light type LED

Incident light intensity 3W

Dimmable Incident light

## ACCESSORIES

Model	Description
822-903	Power supply KERN 822-903
MLB-A09	Power supply KERN MLB-A09
YKK-01	Power supply KERN YKK-01
OBB-A3225	Conversion objective
OBB-A3226	Conversion objective
OBB-A3227	Solder protection lens KERN OBB-A3227
OCS 901	Cleaning Sets for Microscopes KERN OCS 901
OCS-A1101	Cleaning liquid KERN OCS-A1101

## SERVICES

Model	Description
970-111	Warranty extension KERN (+2 years) 970-111

## SPARE PARTS

Model	Description
822-903	Power supply KERN 822-903
MLB-A09	Power supply KERN MLB-A09
YKK-01	Power supply KERN YKK-01
OBB-A3230	Power supply unit KERN OBB-A3230
OBB-A3228	Video microscope KERN OBB-A3228

## RELATED ARTICLES DATA

Model name	Optical System	Objectives	Illumination	Camera resolution	Sensor type	Sensor size
OIV 345	Axial	0.7x - 4.5x	3W LED (Auflicht)	5 MP	Sony CMOS	1/2,8"