

PRODUCT BROCHURE

OPTICS OIV 345

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ENGLISH



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

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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 0,5x
- 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 and analysed on a PC or laptop using a USB connection. The required software S-VIEWER is available to download free of charge
- 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
Country of Origin	CN

Technical data - Primary

Optical System	Axial
Objectives	0.5x
Illumination	3W LED (Auflicht)
Camera resolution	5 MP
Sensor type	Sony CMOS
Sensor size	1/2,8"

Technical data - Construction

System	Upright
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Stand type	mechanical
Stand area	260×320 mm
Focusing mechanics	coarse drive
Visual field min	2.3 mm
Visual field max	14,77 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	116"
Display resolution	1920x1080 HD
Display tilting	0-45°

Technical data - Power supply

Power supply kind	Table power supply (separable)
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Input Voltage	100 V - 240 V, 50 / 60 Hz
Power Plug	Inside plus, outside minus
Protection Class	Class III - Low voltage
Cable attachment	removable

Illumination directions	Reflected light
Incident light type	LED
Incident light intensity	3W
Dimmable	Incident light

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

Technical data - Environmental conditions

Storage Temp Min	-5 °C
Stotage Temp Max	40 °C

Technical data - Verification

WEEE	yes
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Technical data - Illumination

FUNCTIONS

Standard



ACCESSORIES

Model	Description
<u>822-903</u>	Power supply KERN 822-903
<u>MLB-A09</u>	Power supply KERN MLB-A09
<u>YKK-01</u>	Power supply KERN YKK-01
<u>ODC-A2404</u>	Stage micrometer KERN ODC-A2404
<u>OBB-A3225</u>	Conversion objective
<u>OBB-A3226</u>	Conversion objective
<u>OBB-A3227</u>	Solder protection lens KERN OBB-A3227
<u>OCS 901</u>	Cleaning Sets for Microscopes KERN OCS 901
<u>OCS-A1101</u>	Cleaning liquid KERN OCS-A1101
<u>OIV-A3001</u>	Microscope stand KERN OIV-A3001

SERVICES

Model	Description
<u>970-111</u>	Warranty extension KERN (+2 years) 970-111

SPARE PARTS

Model	Description
<u>822-903</u>	Power supply KERN 822-903
<u>MLB-A09</u>	Power supply KERN MLB-A09
<u>YKK-01</u>	Power supply KERN YKK-01
<u>ODC-A2404</u>	Stage micrometer KERN ODC-A2404
<u>OBB-A3230</u>	Power supply unit KERN OBB-A3230
<u>OBB-A3228</u>	Video microscope KERN OBB-A3228
<u>OBB-A3233</u>	USB mouse KERN OBB-A3233
<u>OBB-A3234</u>	USB memory stick KERN OBB-A3234
<u>OBB-A3229</u>	LED replacement ring light 2 W KERN OBB-A3229
<u>OBB-A3231</u>	Stereo Stand KERN OBB-A3231

SOFTWARES

Model	Description
OXM 904	KERN microscope software OXM 904 S-VIEWER

RELATED ARTICLES DATA

Model name	Optical System	Objectives	Illumination	Camera resolution	Sensor type	Sensor size
OIV 345	Axial	0.5x	3W LED (Auflicht)	5 MP	Sony CMOS	1/2,8"
OIV 355	Axial	0.5x	5W LED (Durchlicht), 3W LED (Auflicht)	5 MP	Sony CMOS	1/2,8"