

A detailed line drawing of a microscope, showing the eyepiece, objective lenses, stage, and base. The drawing is in a light gray color and serves as a background for the text. A small 'micros' logo is visible on the right side of the microscope body.

micros
Austria

Product Catalogue with Prices

MICROSCOPY

JANUARY - JUNE 2018

WWW.MICROS.AT

OFFICE@MICROS.AT



EUROPEAN CORPORATE
MEMBER ASSEMBLY
(ECMA)



ROYAL MICROSCOPICAL
SOCIETY





Content

General

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MICROSCOPES

Viola	MC20i
Petunia	MCX50
Daffodil	MCX100 Series
Lavender	MCX100LCD
Sundew	MCXI600
Ladybird	Zoom 1240
Cobra	Zoom 1000

[USB Live Cameras & Tablett Camera](#)

*Please note, that histology products
are shown up in seperate list!*

Conditions

Prices:

MSRP (manufacturers suggested retail price), ex works St.Veit/Glan
No dealer discount applied!

Transport:

costs will be charged additionally

Delivery:

duty unpaid

Delivery term:

approx. 2 - 4 weeks (depending on date of order receipt, model and quantity)

Warranty:

extended warranty 3 years on material and/or workmanship
on microscopes, 1 year on electronical parts

Payment:

Prepayment or irrevocable, confirmed L/C.

All L/C costs, including these of MICROS, as well as possible legalization fees,
to be fully paid by the customer.

Bank details:

Our account at „BANK AUSTRIA“ A-1010 Vienna,

EUR Account:

Account No. 0327 0046 0000, Bank Routing Code 11000

SWIFT Code: BKAUATWW

IBAN: AT21 1100 0032 7004 6000

USD Account:

Account No. 0327 0046 0005, Bank Routing Code 11000

SWIFT Code: BKAUATWW

IBAN: AT07 1200 0032 7004 6005

Validity:

Effective from January 1st 2018 - June 30rd 2018

M I C R O S - General Terms and Conditions – M I C R O S
of company MICROS Produktions- und Handelsges.m.b.H.,
9300 St.Veit/Glan /AUSTRIA, Gewerbezone 5 - Hunnenbrunn

1. Preface

Company MICROS Produktions- und HandelsgmbH performs her services based solely on her general terms and conditions. All offers are subject to change. Company MICROS Produktions- und HandelsgmbH reserves the right to refrain from delivery in case of unavailability of the goods.

2. Conclusion of a contract

A customer's offer to enter a contract requires an order confirmation from MICROS. The sending of the goods ordered by the customer also brings about the conclusion of a contract. If we receive an offer, the tenderer is bound to this offer for an adequate period of time, at least however for 14 days from receipt of the offer.

3. Price

All our prices are calculated **excluding VAT**, unless otherwise expressly mentioned.

4. Reservation of title

All our goods are delivered subject to reservation of title and remain our property until receipt of complete payment.

5. Payment terms

Failing an agreement to the contrary, our claims are subject to matching payment with physical delivery by way of bank transfer. Trade discounts require a separate agreement. In case of delay of payment or part payment, any agreements about discounts become invalid. Payments are considered settled only after arriving in our business account.

In case of delay of payment we are entitled to demand either the compensation of the actually incurred damage or default interest according to the legal rate.

6. Shipping costs

Shipping costs have to be paid by the buyer. In case of reshipment due to wrong delivery, a customer complaint or cancellation company MICROS Produktions- und HandelsgmbH bears the shipping costs. This applies also to guarantee performances.

7. Buyer's obligation to cooperate

Directly after receipt of goods the buyer is bound to check for transport damage or other visible, easily detectable damage. Transport damage must immediately be complained about to the freight forwarder concerned. Any damage has to be reported to company MICROS Produktions- und HandelsgmbH within 14 days after delivery. If the buyer fails to do so, company MICROS Produktions- und HandelsgmbH is not obligated to repair any damage free of charge.

8. Right of withdrawal

Commercial customers have no right of withdrawal. Private customers are allowed to cancel the order within 14 days of receipt of the goods. In this case the customer has to pay shipping costs for the reshipment if the total value of the order does not exceed Euro 100, unless the delivered goods do not correspond with the ordered goods. Cancellation is only possible on the condition that the goods are still unused and in original packing. If alterations have been made or traces of usage are discernible or if the goods are in bad repair, company MICROS Produktions- und HandelsgmbH has the right to decline cancellation.

9. Cancellation of a contract

In case of default of acceptance or other relevant reasons like bankruptcy or insolvency of the customer, as well as delay in payment, we have the right to cancel the contract provided that it has not been fulfilled completely by both parties. In case of cancellation due to customer's fault we are entitled to either a fixed compensation of 15% of the net invoice amount or to demand compensation of the actually incurred damage. In case of delay of payment we are absolved from further performance and delivery obligations.

10. Period of delivery

We are bound to perform our services only when the customer has fulfilled his obligations which are necessary for execution. We are entitled to exceed agreed upon dates and delivery times up to 1 week.

11. Product liability

Claims for compensation in terms of § 12 Product Liability Act are excluded, unless the person seeking recourse can prove that the fault lies with us and was caused due to gross negligence.

12. Warranty

Warranty Duration:

MICROS provides a 3 years warranty on microscopes and microtomes against defects in material and / or workmanship on the instrument from the date of original purchase to the original purchaser. Warranty of MICROS products extends to the original purchaser of the product and is not transferable.

The warranty on electronic parts is 1 year. The warranty on histopathology instruments lasts 1 year.

Proof of identity: All defective products sent in for replacement must include a copy of the original purchase invoice / receipt. Product not including invoice / receipt will be returned to the customer at customers's expense.

Warranty Coverage:

MICROS will repair or replace, at its option, any instrument which under normal conditions of use and service proves to be defective in material or workmanship. No charge will be made for labour or parts with respect to defects covered by this warranty, provided that the work is done by MICROS. This warranty does not cover expenses incurred in the removal or reinstallation of any instrument or instruments, whether or not proven defective. Replacement or repairs furnished under this warranty are subject to the same terms and conditions of the original warranty.

Exceptions:

Specifically excluded from this warranty are failures caused by abuse, neglect, misuse, improper operation, normal wear, accident, improper maintenance or modification. This warranty does not cover repair or replacement where normal use has exhausted the life of a part or instrument. All mechanical devices need periodic parts replacement and service to perform well. In no event shall MICROS be liable for incidental or consequential damages.

13. Foreign shipment

Goods that have been delivered to Non-EU-Countries (except for Switzerland) can not be returned, unless grave defects are ascertained on the goods. The customary import sales tax, custom duties and all other costs for importation have to be paid by the buyer.

14. Place of execution and legal venue

Place of execution and legal venue is Vienna/Austria. Austrian law is applicable, the parties therefore agree upon Austrian jurisdiction.



VIOLA MC20i

Binocular/Trinocular LED Microscope

The sight of an insect seen for the very first time through a microscope turns into a unique experience. We plunge headfirst into a new world which unfolds before our eyes - bizarre, colourful and full of secrets. Secrets, which can only be disclosed by future researchers with the help of a good and solid microscope.

FIELD OF APPLICATION

- Educational and routine laboratory
- Brightfield applications
- Field microscopy with daylight mirror
e.g. Cytology, Haematology, anatomy, pathology, histology, genetics, veterinary, chromosomal analysis, cell analysis, analysis of bacteria, observation of insects and monads.

KEY FEATURES

- SP ACHRO objectives 4/10/40/100
- LED illumination
- Binocular or Trinocular Version
- Daylight mirror unit for outdoor use
- Double layer mechanical stage



Model	Illumination	Tube	Magnification	MSRP Price
VIOLA MC20i	LED	Bino	40-1000x	492
VIOLA MC20i Digital Set	LED	Trino	40-1000x	2.351



PETUNIA MCX50

Binocular routine microscope

Equipped with premium features, it sets up a new standard in routine clinical microscopes. The „PURE“ ICO² Plan objectives provide clear, rich in contrast images. Ergonomic and compact design makes it easy to set up, store and transport. With a lot less energy consumption and at the same time the much brighter intensity of the LED, this system is the future in premium quality LED lighting. PETUNIA MCX50 is used in the fields of clinical laboratories, veterinary laboratories and biology while also being an excellent choice for schools and universities.

KEY FEATURES

- ADVANCED LED
- Ergonomic ARCTYPE Tube
- Smart Sense System
- Infinity Plan Optic
- Multisystem condenser
- Magnification 40x - 1000x

FIELD OF APPLICATION

- Routine laboratory and clinical use
e.g. Cytology, Haematology in bright and dark field, anatomy, pathology, histology, genetics, veterinary, chromosomal analysis, cell analysis, analysis of bacteria, observation of insects and monads
- Phase Contrast and Dark field applications
e.g. gynaecological, dermatological & urological smears, urinsediment, urinary stone analysis, blood analysis in dark field and phase contrast, sperm analysis.

Model	Illumination	Tube	Magnification	MSRP Price
MCX50, LED		Bino	40x - 1000x	918
MCX50 Digital Set		Trino	40x - 1000x	2.856



DAFFODIL MCX100

Sophisticated and versatile life science microscope for a variety of applications in the fields of advanced laboratory work, gynaecology, dermatology, histology or pathology. Brilliant infinity corrected optical system and advanced energy saving LED or bright Halogen illumination system create rich in contrast and crystal clear observation results.

FIELD OF APPLICATION

■ Routine laboratory and clinical use

e.g. Cytology, Haematology in bright and dark field, anatomy, pathology, histology, genetics, veterinary, chromosomal analysis, cell analysis, analysis of bacteria, observation of insects and monads.

■ Phase Contrast

e.g. gynaecological, dermatological & urological smears, urinsediment, urinary stone analysis, blood analysis in dark field and phase contrast, sperm analysis

■ Immersion dark field applications

e.g. Haematology in dark field, dermatology, urology (urine sediments)

■ Fluorescence applications

e.g. Bacteriology, virology, histochemistry, pathology, immunology, genetics, gynaecology

■ Polarization applications

e.g. Urology, pathology, forensic, geology, quality control, quality assurance, medical research, crystallography

KEY FEATURES

- Infinity corrected
- Ergonomic ARCTYPE Binocular Tube
- LED illumination system
- Quintuple nosepiece
- Rackless stage
- Koehler illumination

Options to upgrade

- Trinocular head
- LED or HBO Fluorescence
- Sliding Phase Contrast Set
- Immersion Dark field
- Simple Polarization Set
- Observation unit
- Heating stage



Model DAFFODIL	Illumination	Tube	Magnification	MSRP Price
DAFFODIL MCX100 BF	LED	Bino	40x - 1000x	1.526

LAVENDER Professional MCX100LCD



LCD Digital Microscope with embedded Android based computer system and 5MP live camera

Lavender MCX100 LCD is a high-tech product, successfully enhanced by perfectly combining advanced optical microscope technology and first-rate computer processing. Specimen can traditionally be observed through the microscope's eyepieces. But take advantage of an enhanced and sophisticated observation method. With the high-tech LCD Screen function, observation of specimen works convenient and comfortable for you and also to share with others.

FIELD OF APPLICATION

■ All-In-One

Observing and presenting, image sharing with multiple users, picture/video taking, picture analyzing, sending pictures via E-Mail, using tablet functions

■ Routine laboratory and clinical use

E.g. Cytology, Haematology in bright and dark field, anatomy, pathology, histology, genetics, veterinary, chromosomal analysis, cell analysis, analysis of bacteria, observation of insects and monads

■ Phase Contrast

E.g. gynaecological, dermatological & urological smears, urine sediment, urinary stone analysis, blood analysis in dark field and phase contrast, sperm analysis

■ Sliding dark field applications

E.g. Dermatology, urology (urine sediments)

■ Polarization applications

E.g. Urology, pathology, forensic, geology, quality control, quality assurance, medical research, crystallography

KEY FEATURES

■ Digital LCD screen system (like a tablet) with Android operating system

■ Includes a 5MP CMOS camera

■ Infinity corrected optics

■ Quintuple nosepiece

■ LED illumination system

■ Rackless glass stage

■ Koehler illumination

Model	Illumination	Tube	Magnification	MSRP Price
LAVENDER Professional	LED	Trino LCD Screen	40x - 1000x	3.507



Key Features

- Observing large and heavy parts
- Plain stage with glass insert plate
- Excellent optical function
- Long working distance objectives
- Strong built-in power supply

Options to upgrade

- Mechanical Stage
- Slide, Terasaki and Petri dish holder
- HBO Fluorescence
- Sliding Phase Contrast Set (40x – 400x)
- Observation Sets

Model	Illumination	Tube Stage		Magnification	MSRP Price
MCXI600	LED	Bino		100x-200x	5.571

SUNDEW MCXI600

Inverted microscopes are designed upside down as compared to a standard upright microscope. The condenser is placed over the specimen, the samples are placed on the stage and the objectives are under the stage. This design is used when specimens cannot be stained or are placed in a kind of liquid.

FIELD OF APPLICATION

- Research, educational and clinical applications
e.g. Routine examination of tissue cultures, microbes, precipitates, sediments, deposits and for clinical applications such as live cell observation
- Phase Contrast
e.g. microbes, precipitates, sperm analysis, in-vitro fertilization other live specimens in petri dishes and culture bottles fast and easy
- Fluorescence applications
e.g. Bacteriology, virology, pathology, immunology, genetics



STEREO MICROSCOPES

Stereomicroscopes are the perfect start to jump into the world of microscopy. With stereomicroscopes no special specimen preparation before observing is required. Insects, flowers, leaves, coins ... can be put under the microscope and viewed immediately and the results are fast and amazing from the start. Our stereo microscopes create crystal clear erect 3D images with excellent depth of field for observations of many samples.



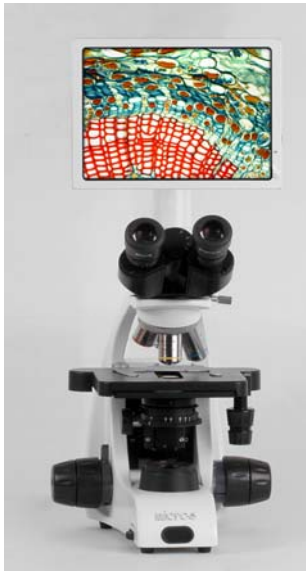
LADYBIRD Micro Zoom 1240, Binocular & Trinocular Version



COBRA MZ1000

Model	Illumination	Standard Magnification	Tube	MSRP Price
LADYBIRD Micro Zoom 1240	Incident & Transmitted (12V)	10x - 45x	Bino	665
LADYBIRD Micro Zoom 1240	Incident & Transmitted (12V)	10x - 45x	Trino	905
COBRA Micro Zoom MZ1000	Incident & Transmitted (12V)	6x - 50x	Bino	1.926
COBRA Micro Zoom MZ1000	Incident & Transmitted (12V)	6x - 50x	Trino	2.757

TABLET CAMERA



5MP live camera and integrated tablet with Android operating system for all MICROS trinocular tubes

The digital microscope system also comes with a sophisticated Android based computer system (like a tablet) that allows not only to observe and study real time images on the screen but also to store, edit and analyze them quick and easy. The intuitive handling and the powerful image processing and presentation functions (supporting image browsing, photos, video, storage, dynamic calibration, measurement ...) makes this system perfect for researchers, educational use, manufacturing, inspection and many other applications.

The Tablet system can be assembled to all MICROS Austria Trinocular Microscopes

Touch Screen

The 8 inch wide screen (resolution 1024 x 768) offers an IPS LCD screen technology for high quality image display. It also offers a fast response time, no viewing angle dependence and brilliant color reproductions.

5 Megapixel live camera

CMOS Sensor Technology, Video format and frame rate: 1280x720, 15fps / 640x480, 30 fps, Exposure range and mode: Electronic shutter (ERS) auto, White balance: Menu/Auto

Android 4.2.2. operating system

Dual core 1.6G processor, Interface: 2GB internal memory, SD card extension supported (maximum capacity 32GB), USB, Mini USB, HDMI, Network module: WiFi access, Bluetooth, Audio: Stereo speaker with double channels

Integrated powerful software

TouchScope, which supports real-time preview, photos, videos, storage, network, dynamic calibrations, counting and



Model	MSRP Price
Tablet Camera	1.796

Art.No.	Description	MSRP € Price / Unit
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"VIOLA" M20 i BINOCULAR Microscope
LED Illumination
Magnification range from 40x - 1000x

290000	<p>MC20 i VIOLA Binocular Microscope SET Magnification range from 40x - 1000x; Long life 3W LEDillumination. Ergonomical designed metal base 224x167mm. High quality varnish. Double layer mechanical stage 132x142mm Archtype binocular tube, 360° rotatable, 30° inclined, with Anti-Fungus treatmen Interpupillary distance 48-75mm. Quadruple nosepiece. Stage focus control (sample protection). Coaxial coarse and fine focus. Eyepiece Widefield WF 10x/18 Objectives: SP ACHRO 4x/0.10 SP ACHRO 10x/0.25 SP ACHRO 40x/0.65 SP ACHRO 100x/1.25 Abbe brightfield condenser n.A. 1.25 with iris diaphragm, variable at height. Frosted glass filter. Daylight mirror for outdoor use, dust cover.</p>	
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Price for SET as described above	492
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Additonal COMPONENTS for "VIOLA" MC20i

350303	Eyepiece WF 10x/18 (Ø 23 mm),reticle with scale on crossline 0.1mm	91
310304	Eyepiece P16x/12; (Ø 23 mm)	42
S126	Object micrometer 1mm divided into 100 units, 0.01 mm	189
310504	Darkfield Filter 32 mm	18
900109	Immersion oil, 10 ml	9
900801	Aluminium Transport Case for MC20i	200

Art.No.	Description	MSRP € Price / Unit
	<p align="center">"VIOLA" M20 i DIGITAL Microscope SET LED Illumination Magnification range from 40x - 1000x</p>	
290002	<p>MC20 i VIOLA Trinocular Microscope SET Magnification range from 40x - 1000x; Long life 3W LED illumination. Ergonomical designed metal base 224x167mm. High quality varnish. Double layer mechanical stage 132x142mm Archtype trinocular tube, 360° rotatable, 30° inclined, with Anti-Fungus treatment Interpupillary distance 48-75mm. Quadruple nosepiece. Stage focus control (sample protection). Coaxial coarse and fine focus. Eyepiece Widefield WF 10x/18 Objectives: SP ACHRO 4x/0.10 SP ACHRO 10x/0.25 SP ACHRO 40x/0.65 SP ACHRO 100x/1.25 Abbe brightfield condenser n.A. 1.25 with iris diaphragm, variable at height. Frosted glass filter. Daylight mirror for outdoor use, dust cover.</p>	555
900143	<p>TABLET with separated 5MP live CAMERA, Android operating system. TO BE USED ON EACH MICROSCOPE WITH TRINOCULAR TUBE! * LCD Touch Screen, 9.7 inch (24,64 cm) diagonal, screen resolution 2048x1536, Retina Display technology for high quality image display and smooth touching function * Integrated 5 Megapixel live camera CMOS Sensor Technology, Video format and frame rate: 2048x1536, 12fps / 1600x1200, 15fps / 1024x768, 30 fps, Exposure range and mode: Electronic shutter (ERS) auto, White balance: Menu/Auto. With the 5 MP camera, images and videos can be captured and saved to the internal memory or to a TF card (not included in set) and transferred via USB or sent via email directly from the device. * Android based computer system Operating System: Android 5.1.1., Quad core 1.8G processor, Interface: 8GB internal memory, TF card extension supported (maximum capacity 32GB), USB*2, AV, mini HDMI, Network module: WiFi access, Bluetooth, Audio: Stereo speaker with double channels * TouchScope Integrated powerful software. Supports real-time preview, photos, videos, storage, network, dynamic calibrations. No additional adapters required! COMPUTER AIDED INSTRUCTION!</p>	1.796
Price for SET as described above		2.351

Art.No.	Description	MSRP € Price / Unit
Available Setconfiguration		
"PETUNIA" MCX50 BINOCULAR Standard Set Brightfield, LED illumination, Quadruple Nosepiece Magnification range from 40x - 1000x Kesington Lock!		
250052	PETUNIA MCX50 Body with long life LED illumination.(30.000 hours) for 110-240 VAC, 50/60Hz. SMART SENSE system - clever energy saving (shut off after 15 minutes of no use). Quadruple reverse angle revolving nosepiece. Sturdy base, 203 x 145 mm Focusing: Low position, coaxial coarse and calibrated fine focus control, graduation reading 2 µm per division. Total focusing range 20 mm. Condenser: Abbé Multi System Condenser with aperture iris, n.A. 1.25 and scale for each objective slot in condenser for PC and DF attachments. (3 sliders for BF/DF, BF/PC and BF/DF/PC attachments available as option), with aperture iris. Condenser and light intensity adjustable. Accessories: dust cover, immersion oil, daylight mirror for outdoor use. Anti fungus treatment for all optical parts!	109
900120	Stage Rackless mechanical stage 150x133mm, travelling range 76mm (X) x 30mm (Y)	116
350206	Head Arctype binocular head 30° inclined, 360° rotatable, diopter adjustment, interpupillary distance 48-75 mm	260
310307	Eyepieces Eyepiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
310307	Eyepiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
750449	Objectives Pure ICO2 Plan INFINITY 4x/0.10, WD 23.5mm, CC 0.17	37
750450	Pure ICO2 Plan INFINITY 10x/0.25, WD 10mm, CC 0.17	56
750452	Pure ICO2 Plan INFINITY 40x/0.65, WD 0.54mm, spring loaded, CC 0.17	90
750453	Pure ICO2 Plan INFINITY 100x/1.25, WD 0.13, oil; spring loaded, CC 0.17	112
Price for SET as described above		918


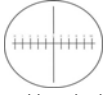
Art.No.	Description	MSRP € Price / Unit
"PETUNIA" MCX50 DIGITAL Microscope Set Brightfield, LED illumination, Quadruple Nosepiece Magnification range from 40x - 1000x Kesington Lock!		
250052	PETUNIA MCX50 Body with long life LED illumination.(30.000 hours) for 110-240 VAC, 50/60Hz. SMART SENSE system - clever energy saving (shut off after 15 minutes of no use). Quadruple reverse angle revolving nosepiece. Sturdy base, 203 x 145 mm Focusing: Low position, coaxial coarse and calibrated fine focus control, graduation reading 2 µm per division. Total focusing range 20 mm. Condenser: Abbé Multi System Condenser with aperture iris, n.A. 1.25 and scale for each objective slot in condenser for PC and DF attachments. (3 sliders for BF/DF, BF/PC and BF/DF/PC attachments available as option), with aperture iris. Condenser and light intensity adjustable. Accessories: dust cover, immersion oil, daylight mirror for outdoor use. Anti fungus treatment for all optical parts!	109
900120	Rackless mechanical stage 150x133mm, travelling range 76mm (X) x 30mm (Y)	116
350205	Compensation Trinocular Head for MCX50 Series; for INFINITY optics, beam splitter 50:50, 30° inclined, 360° rotatable. Interpupillary Distance 55-75mm. Diopter Adjustment. With Anti-Fungus treatment	402
310307	Eyeiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
310307	Eyeiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
750449	Pure ICO2 Plan INFINITY 4x/0.10, WD 23.5mm, CC 0.17	37
750450	Pure ICO2 Plan INFINITY 10x/0.25, WD 10mm, CC 0.17	56
750452	Pure ICO2 Plan INFINITY 40x/0.65, WD 0.54mm, spring loaded, CC 0.17	90
750453	Pure ICO2 Plan INFINITY 100x/1.25, WD 0.13, oil; spring loaded, CC 0.17	112
900143	TABLET with seperated 5MP live CAMERA, Android operating system. TO BE USED ON EACH MICROSCOPE WITH TRINOCULAR TUBE! * LCD Touch Screen, 9.7 inch (24,64 cm) diagonal, screen resolution 2048x1536, Retina Display technology for high quality image display and smooth touching function * Integrated 5 Megapixel live camera CMOS Sensor Technology, Video format and frame rate: 2048x1536, 12fps / 1600x1200,15fps /1024x768, 30 fps, Exposure range and mode: Electronic shutter (ERS) auto, White balance: Menu/Auto. With the 5 MP camera, images and videos can be captured and saved to the internal memory or to a TF card (not included in set) and transferred via USB or sent via email directly from the device. * Android based computer system Operating System: Android 5.1.1., Quad core 1.8G processor, Interface: 8GB internal memory, TF card extension supported (maximum capacity 32GB), USB*2, AV, mini HDMI, Network module: WiFi access, Bluetooth, Audio: Stereo speaker with double channels * TouchScope Integrated powerful software. Supports real-time preview, photos, videos, storage, network, dynamic calibrations. No additional adapters required! COMPUTER AIDED INSTRUCTION!	1.796
Price for SET as described above		2.856

Art.No.	Description	MSRP € Price / Unit
Additional COMPONENTS		
STAGES		
900122	Sliding stage (Ø 160mm) for fast and easy working on specimen. Easy one-hand operation of slides. For right hand and left hand use.	231
PHASE CONTRAST & DRY DARKFIELD		
310320	Slider for Brightfield/Phasecontrast for PH 10x and PH 40x objective	132
310321	Slider for Brightfield/Darkfield/Phasecontrast for PH 10x and PH 40x objective	239
310322	Slider for Brightfield/DARKFIELD	77
750460	Objective ICO2 Phase 10x/0.25 WD 10.2mm, CC 0.17	202
750461	Objective ICO2 Phase 40x/0.65, WD 0.5mm, CC 0.17	277
310421	Centering telescope (Ø 23 mm)	139
HEAD		
350205	Compensation Trinocular Head for MCX50 Series; for INFINITY optics, beam splitter 50:50, 30° inclined, 360° rotatable. Interpupillary Distance 55-75mm. Diopter Adjustment. With Anti-Fungus treatment	402
MISCELLANEOUS		
750451	Pure ICO2 Plan INFINITY 20x/0.40, WD 5.1mm, CC 0.17	191
750454	Pure ICO2 Plan INFINITY 60x/0.80, WD 0.14mm, spring loaded, CC 0.17	357
310304	Eyepiece P16x/12; (Ø 23 mm)	42
S126	Object micrometer 1mm divided into 100 units, 0.01 mm	189
900805	Aluminium Transport Case for MCX50 Series	239
900109	Immersion oil, 10 ml	9
900114	Daylight mirror for outdoor use	49
900112	Cord Rest for MCX50 Series	36



Applicable REAL TIME CAMERAS or SOFTWARE
see under "MEDIA & SOFTWARE"

Art.No. Description	MSRP € Price / Unit
Recommended Setconfiguration	
"DAFFODIL" MCX100 - Brightfield ECO Version	
Binocular, Rackless Stage	
ICO2 INFINITY Plan Objectives	
Magnification range from 40x - 1000x	
550105-LED MCX100LED Body with LED illumination Quintuple reverse angle nosepiece. Sturdy base, 300 x 270 mm. With low position, coaxial coarse and calibrated fine focus control. Graduation reading 2 µm per division. Total focusing range 20 mm. Incorporates tension adjustment and safety autofocus stop unit. Condenser and light intensity adjustable. Collector system with field iris for Koehler illumination (750702). Dust over, immersion oil and instruction manual included.	409
900121 Rackless mechanical GLASS stage 150x133mm, travelling range 76mm (X) x 30mm (Y). With exchangeable, ultra hardened, flexible glass plate with rounded edges for safe handling. Surface is coated and resistant against chemical fluids and scratches (Art.No. 900822)	254
550206 Compensation binocular head "Arctype" for INFINITY optics, 30° inclined, 360° rotatable. Interpupillary distance 48 – 75 mm. Diopter Adjustment. With Anti-Fungus treatment.	253
310307 Eyepiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
310307 Eyepiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
750430 ICO2 Plan 4x/0.10 WD17.3mm, CC -	41
750431 ICO2 Plan 10x/0.25 WD10.2mm, CC 0.17	56
750432 ICO2 Plan 40x/0.65, spring loaded WD 0.54mm, CC 0.17	92
750433 ICO2 Plan 100x/1.25 oil, spring loaded, WD 0.13 mm, CC 0.17	146
550504 Abbé Multi System Condenser with aperture iris, n.A. 1.25 and scale for each objective, slot in condenser for PC and DF attachments. (3 sliders for BF/DF, BF/PC and BF/DF/PC attachments available as option), with aperture iris.	137
Price for SET as described above	1.526

Art.No.	Description	MSRP € Price / Unit
FLUORESCENCE ACCESSORIES		
210906	VIOLET and ULTRA-VIOLET filter system for fluorescence Violet: - Excitation Filter BP 390~410 - Dichroic Mirror DM 455 - Barrier Filter BA 480 Ultra-Violet: - Excitation filter BP 370~390 - Dichroic Mirror DM 400 - Barrier Filter BA 440	1.165
900100	USHIO HBO mercury burner, 100W 220V	433
Additional COMPONENTS		
HEADS		
550203	Compensation trinocular head for INFINITY optics, beam splitter 80:20; 30° inclined, 360° rotatable. Interpupillary Distance 55 – 75 mm. Diopter Adjustment. With Anti-Fungus treatment.	438
EYEPIECES (Ø 23 mm), OBJECT MICROMETER		
310304	Eyepiece P16x/12; (Ø 23 mm)	42
310307	Eyepiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
350304	Eyepiece EWF 10x/20 Extra Widefield with pointer, diopter adjustment and eye shield; (Ø 23 mm)	150
350317	Eyepiece EWF 10x/20 Widefield; reticle with cross-line and graduation (0.1mm/10mm); (Ø 23 mm)	176
S126	Object micrometer 1mm divided into 100 units, 0.01 mm	189
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p><i>Eyepiece with pointer</i></p> </div> <div style="text-align: center;">  <p><i>Eyepiece with reticle</i></p> </div> </div>		
OBJECTIVE		
750451	Pure ICO2 Plan INFINITY 20x/0.40, WD 5.1mm, CC 0.17	191
750454	Pure ICO2 Plan INFINITY 60x/0.80, WD 0.14mm, spring loaded, CC 0.17	357
DARKFIELD		
850502	Dry Darkfield Condenser n.A. 0.9	376
850503	Immersion Darkfield Condenser n.A. 1.25 - 1.36	528
750426	ICO2 PLAN 100x/1.25, oil, spring loaded, with iris diaphragm (for darkfield and brightfield use), WD 0.13mm, CC 0.17	958
POLARIZATION		
350901	Simple Polarization set consisting of polarizer and analyzer	250

Art.No.	Description	MSRP € Price / Unit
PHASE CONTRAST & DRY DARKFIELD		
550504	Abbé Multi System Condenser with aperture iris, n.A. 1.25 and scale for each objective, slot in condenser for PC and DF attachments. (3 sliders for BF/DF, BF/PC and BF/DF/PC attachments available as option), with aperture iris.	137
310320	Slider for Brightfield/Phasecontrast for PH 10x and PH 40x objective	132
310321	Slider for Brightfield/Darkfield/Phasecontrast for PH 10x and PH 40x objective	239
310322	Slider for Brightfield/DARKFIELD	77
750460	Objective ICO2 Phase 10x/0.25 WD 10.2mm, CC 0.17	202
750461	Objective ICO2 Phase 40x/0.65, WD 0.5mm, CC 0.17	277
900406	Green filter, 31mm Ø	15
310421	Centering telescope (Ø 23 mm)	139

For PHASECONTRAST and DRY DARKFIELD (100x - 400x) no additional condenser is needed, when 550504 is already in the Set!

100W HBO FLUORESCENCE		
410905	Epi-Fluorescence Attachment Equipped with 100W HBO burner and focusing/centering screws. Light-filter system with 1 slider included (210910) with these light waves: B (blue light), G (green light) and O (transmitted light) Excitation filter (EX) (B) EX490, (G) EX545 Double direction dichroic mirror (B) DM510, (G) DM580 Cut-off filter (BA) (B) BA530, (G) BA590 Power Supply 220V 50Hz or alternative 110-115V 60HZ Accessories included in the set: 2 pcs!! Super high pressure spherical mercury lamp HBO100W (900100) 2 pcs. Fuse 250V: 8A 1 pc. Screen for eye protection 1 pc. Special oil for fluorescence	4.007
210906	VIOLET and ULTRA-VIOLET filter system for fluorescence Violet: - Excitation Filter BP 390~410 - Dichroic Mirror DM 455 - Barrier Filter BA 480 Ultra-Violet: - Excitation filter BP 370~390 - Dichroic Mirror DM 400 - Barrier Filter BA 440	1.165
900100	USHIO HBO mercury burner, 100W 220V	433

MISCELLANEOUS		
750702	Collector system with field iris for Koehler illumination (750702 is included in Standard Set)	195
900804	Aluminium Transport Case	296
900109	Immersion oil, 10 ml	9
900405	Blue filter, 31mm Ø	15
900406	Green filter, 31mm Ø	15
900822	Ultra hardened flexible glass plate	145
900114	Daylight mirror for outdoor use	49



Applicable REAL TIME CAMERAS or SOFTWARE
see under "MEDIA & SOFTWARE"

Art.No. Description	MSRP € Price / Unit
Recommended Setconfiguration	
"LAVENDER Professional" MCX100 All-In-One Digital Microscope BRIGHTFIELD, BINOCULAR, Rackless GLASS STAGE ICO2 INFINITY Plan Objectives Magnification range from 40x - 1000x	
550105-LED MCX100LED Body with LED illumination Quintuple reverse angle nosepiece. Sturdy base, 300 x 270 mm. With low position, coaxial coarse and calibrated fine focus control. Graduation reading 2 µm per division. Total focusing range 20 mm. Incorporates tension adjustment and safety autofocus stop unit. Condenser and light intensity adjustable. Collector system with field iris for Koehler illumination (750702). Dust over, immersion oil and instruction manual included.	409
900121 Rackless mechanical GLASS stage 150x133mm, travelling range 76mm (X) x 30mm (Y. With exchangeable, ultra hardened, flexible glass plate with rounded edges for safe handling. Surface is coated and resistant against chemical fluids and scratches (Art.No. 900822)	254
310307 Eyepiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
310307 Eyepiece EW 10x/20 Extra Widefield (Ø 23 mm)	69
750430 ICO2 Plan 4x/0.10 WD17.3mm, CC -	41
750431 ICO2 Plan 10x/0.25 WD10.2mm, CC 0.17	56
750432 ICO2 Plan 40x/0.65, spring loaded WD 0.54mm, CC 0.17	92
750433 ICO2 Plan 100x/1.25 oil, spring loaded, WD 0.13 mm, CC 0.17	146
550504 Abbé Multi System Condenser with aperture iris, n.A. 1.25 and scale for each objective, slot in condenser for PC and DF attachments. (3 sliders for BF/DF, BF/PC and BF/DF/PC attachments available as option), with aperture iris.	137
550203 Compensation trinocular head for INFINITY optics, beam splitter 80:20; 30° inclined, 360° rotatable. Interpupillary Distance 55 – 75 mm. Diopter Adjustment. With Anti-Fungus treatment.	438
900143 TABLET with seperated 5MP live CAMERA, Android operating system. TO BE USED ON EACH MICROSCOPE WITH TRINOCULAR TUBE! * LCD Touch Screen, 9.7 inch (24,64 cm) diagonal, screen resolution 2048x1536, Retina Display technology for high quality image display and smooth touching function * Integrated 5 Megapixel live camera CMOS Sensor Technology, Video format and frame rate: 2048x1536, 12fps / 1600x1200,15fps /1024x768, 30 fps, Exposure range and mode: Electronic shutter (ERS) auto, White balance: Menu/Auto. With the 5 MP camera, images and videos can be captured and saved to the internal memory or to a TF card (not included in set) and transferred via USB or sent via email directly from the device. * Android based computer system Operating System: Android 5.1.1., Quad core 1.8G processor, Interface: 8GB internal memory, TF card extension supported (maximum capacity 32GB), USB*2, AV, mini HDMI, Network module: WiFi access, Bluetooth, Audio: Stereo speaker with double channels * TouchScope Integrated powerful software. Supports real-time preview, photos, videos, storage, network, dynamic calibrations. No additional adapters required! COMPUTER AIDED INSTRUCTION!	1.796
Price for SET as described above	3.507

Art.No.	Description	MSRP € Price / Unit
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Recommended Setconfiguration

"SUNDEW" MCXI600 - Inverted Microscope

LED Illumination

Brightfield, Quintuple Nosepiece

ICO2 INFINITY Plan Objectives

(Magnification range 100 - 200x)

(without mechanical stage)

650101	Inverted microscope body with LED illumination for 220V/50Hz or 110V/60Hz. Quintuple revolving nosepiece. Sturdy base with supportive rubber feet, 360 x 280 mm. With low position coaxial coarse and calibrated fine focus control. Focusing range: 8mm up and 3mm down from focusing position (1.2mm above stage). Incorporates tension adjustment and safety autofocus stop unit. Filters: blue, green and frosted Specimen stage: 160 x 250 mm with glass insert plate, Auxiliary stage (650310) 70 mm x 180 mm included Built-in power supply. Collector system with integrated iris diaphragm. Dust cover, 2 spare bulbs and instruction manual included.	4.028
850202	Compensation binocular head for INFINITY optics, Arc-type, 30° inclined, 360° rotatable. Interpupillary distance 48 – 75 mm, with diopter adjustment	626
350318	Eyepiece EW 10x/22Widefield (Ø 30mm)	71
350318	Eyepiece EW 10x/22Widefield (Ø 30mm)	71
750409	LWD ICO2 PLAN 10x/0.25, WD 10mm, CC 1.2	259
750410	LWD ICO2 PLAN 20x/0.40, WD 5.1mm, CC 1.2	348
650501	ELWD Brightfield condenser, n.A. 0.3, WD 72mm with integrated iris and filter tray, adjustable	168

Price for SET as described above **5.571**

Option

650300	Attachable mechanical stage X-Y coaxial control, moving range 120 x 78 mm	550
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Art.No.	Description	MSRP € Price / Unit
Additional COMPONENTS		
HEADS		
850203	Compensation trinocular head for INFINITY optics, 30° inclined, 360° rotatable. Interpupillary distance 48 – 75 mm, with diopter adjustment	857
EYEPIECES (Ø 30 mm)		
350308	Eyepiece High-point EW 10x/22 Extra Widefield with eye shields and diopter adjustment; (Ø 30 mm)	93
350322	Eyepiece EW10x/22, reticle with cross-line and graduation 0.1mm/10mm, (Ø 30 mm)	140
S126	Object micrometer 1mm divided into 100 units, 0.01 mm	189
900135	Eye shields large, paired	8
OBJECTIVES		
750408	LWD ICO2 PLAN 4x/0.10, WD 17.3mm, CC 1.2	200
750409	LWD ICO2 PLAN 10x/0.25, WD 10mm, CC 1.2	259
750410	LWD ICO2 PLAN 20x/0.40, WD 5.1mm, CC 1.2	348
750411	LWD ICO PLAN2 40x/0.60, spring loaded, WD 2.1mm, CC 1.2	409
650416	LWD ICO2 PLAN Phase 4x/0.13, WD 16.8, CC 1.2	350
650417	LWD ICO2 PLAN Phase 10x/0.25, WD 10mm, CC 1.2	237
650418	LWD ICO2 PLAN Phase 20x/0.40, WD 5.1mm, CC 1.2	300
650420	LWD ICO2 PLAN Phase 40x/0.65, WD 2.1 mm, spring loaded, CC 1.2	533
650910	Fluorescent ICO2 PLAN 4x/0.13, WD 16.3mm, CC 1.2	149
650911	Fluorescent ICO2 PLAN 10x/0.30, WD 12.4mm, CC 1.2	380
650912	Fluorescent ICO2 PLAN 20x/0.40, WD 1.5mm, CC 1.2	518
650913	Fluorescent ICO2 PLAN 40x/0.60, WD 2.2mm, CC 1.2	670
MECHANICAL STAGE & SPECIMEN HOLDER		
650300	Attachable mechanical stage X-Y coaxial control, moving range 120 x 78 mm	550
650310	Auxiliary stage, 70 x 180 mm (included in Standard Set MCXI600 Sundew)	107
650301	Terasaki holder	80
650302	Petri dish holder 35mm	66
650303	Slide Glass holder 54mm	66
CONDENSER		
650501	ELWD Brightfield condenser, n.A. 0.3, WD 72mm with integrated iris and filter tray, adjustable	168
<i>Condenser (650501) included in the standard set.</i>		
PHASE CONTRAST		
650411	Phase contrast slider 4x	140
650410	Phase contrast slider 10x/20x and 40x	260
850421	Centering telescope (Ø 30 mm)	146
900411	Green filter, 45mm Ø	16

Art.No.	Description	MSRP € Price / Unit
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FLUORESCENCE

650905	Epi-Fluorescence attachment - FOR 3 NORM FILTER CUBES. Equipped with a HBO burner 100 Watt and focusing/centering screen. The light-filter system of main body: 2 excitation light waves, B (blue filter), G (green filter) and O (transmitted light) Excitation filter Blue: BP460-490, Green: BP 510-550 Double direction dichroic mirror DM500, DM570 Cut-off filter BA520, BA590 Power Supply 220V 50Hz or alternative 110-115V 60HZ Accessories included in the set: 2 pcs!! Super high pressure spherical mercury lamp HBO 100 Watt 2 pcs. Fuse 250V: 8A 1 pc. Screen for eye protection 1 pc. Special oil for fluorescence.	6.652
650907	UV-light filter system for fluorescence of MCXI600 - Auxiliary excitation filter EX 330-385 Cut-off filter DM400 + BA420	3.800

OTHER

900307	Spare bulb 6V30W halogen PHILIPS	36
900816	Aluminium Transport Case	480
900100	USHIO HBO mercury burner, 100W 220V	433



Applicable PHOTO, VIDEO CAMERAS or SOFTWARE
see under "MEDIA & SOFTWARE"

Art.No.	Description	MSRP € Price / Unit
"LADYBIRD" MICRO ZOOM 1240 STEREO MICROSCOPE Binocular Standard Set Magnification 10x - 45x		
520090	Micro Zoom 1240 Zoom-Stereo Microscope with binocular tube, 45° inclined, 360° rotatable. Interpupillary distance 52-75mm. Zoom ratio 1 : 4,5x 1 pair of eyepieces WF 10x/20 with diopter adjustment Total magnification 10x - 45x. Max. working distance 97 mm. Base with clear glass plate. LED illumination, Incident and transmitted light to be used simultaneously. Eye shields, dust cover and instruction manual included.	
Price for SET as described above		665
"LADYBIRD" MICRO ZOOM 1240 STEREO MICROSCOPE Trinocular Standard Set Magnification 10x - 45x		
520091	Micro Zoom 1240 Zoom-Stereo Microscope with trinocular tube, 45° inclined, 360° rotatable and integrated C-mount adapter. Interpupillary distance 52-75mm. Zoom ratio 1 : 4,5x 1 pair of eyepieces WF 10x/20 with diopter adjustment Total magnification 10x - 45x. Max. working distance 97 mm. Base with clear glass plate. LED illumination, Incident and transmitted light to be used simultaneously. Eye shields, dust cover and instruction manual included.	
Price for SET as described above		905
Additional COMPONENTS		
520210	Auxiliary lens 0.5x; WD 180mm	87
520211	Auxiliary lens 0.63x; WD 137mm	87
520212	Auxiliary lens 0.75x; WD 120mm	87
520213	Auxiliary lens 2x; WD 30mm	87
530302	Eyepiece EW 15x/16 Widefield; (Ø 30 mm), incl. eye shield	106
530303	Eyepiece EW 20x/12 Widefield; (Ø 30 mm), with diopter, incl. eye shield	124

Art.No.	Description	MSRP € Price / Unit
	"COBRA" MICRO ZOOM MZ1000 STEREO MICROSCOPE Binocular Standard Set Magnification 6x - 50x	
580101	MZ1000 Zoom-Stereo Microscope with binocular tube, 45° inclined, 360° rotatable. Interpupillary distance adjustable from 55 - 75 mm with diopter adjustment. Zoom body from 0.6x - 5x; Zoom ratio 1 : 8.3 1 pair of eyepieces WF 10x/23, High Eyepoint, Total magnification 6x - 50x. Max. working distance 115 mm. Base with clear glass plate and stage clips. Incident and transmitted light to be used simultaneously. Incident light 12V/3W LED, variable intensity control. Transmitted light 12V/6W LED, variable intensity control. Eye shields, dust cover and instruction manual included.	
Price for SET as described above		1.926

	"COBRA" MICRO ZOOM MZ1000 STEREO MICROSCOPE Trinocular Standard Set Magnification 6x - 50x	
580102	MZ1000 Zoom-Stereo Microscope with trinocular tube, 45° inclined, 360° rotatable. Interpupillary distance adjustable from 55 - 75 mm with diopter adjustment. Zoom body from 0.6x - 5x; Zoom ratio 1 : 8.3 1 pair of eyepieces WF 10x/23, High Eyepoint, Total magnification 6x - 50x. Max. working distance 115 mm. Base with clear glass plate and stage clips. Incident and transmitted light to be used simultaneously. Incident light 12V/3W LED, variable intensity control. Transmitted light 12V/6W LED, variable intensity control. Eye shields, dust cover and instruction manual included.	
Price for SET as described above		2.757

Additional COMPONENTS

ADAPTERS / C-Mounts

520153 Adapter for SLR cameras with factor 6.3x	386
520802 C-Mount Adapter for video or digital cameras with factor 0.3x	228
520803 C-Mount Adapter for video or digital cameras with factor 0.5x	228
520804 C-Mount Camera Adapter 1x, 23mm Ø	159

EYEPIECES

580303 Eyepiece WF 15x/16	122
580304 Eyepiece WF 20x/12	135
580306 Eyepiece WF 30x/9	224

Art.No.	Description	MSRP € Price / Unit
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USB LIVE CAMERAS

For operating and controll computer and software needed!

910401	<p>MICROS CAM 320 "Advanced" is a 3,2MP live image camera with "MICROVISIBLE" software and has heat dissipation. CAM 320 offers the ideal frame rate (12FPS at full resolution) for the mainstream displays (HDTV class). Maximum Exposure time is 26 seconds.</p> <p>Resolution 3.2 MP; Power USB Bus Bit Depth 10-bit Digitization and Processing 8-bit RGB Uncompressed Output; Master Clock 48 MHz Enclosure Die Cast Aluminium; Microscope Interfacing Stainless Steel C-Mount Recommended Video Adapter 0.5x; Sensor Technology CMOS Pixel Array 2048H x 1536V Arbitrary Simultaneous Windowing, Binning and Sub-sampling Sensitivity 1.0V/Lux-Second at 550 nm; Pixel Size 3.2 µm x 3.2 µm Signal-to-Noise Ratio 43 dB; Imaging Area 6.55 mm x 4.92 mm 8.19 mm Diagonal; Electronic Shutter Type Rolling Frame Rate 12 FPS at Full Resolution; Proportional to Window Size/Decimation Factor Maximum Exposure Time 26 Seconds; OS Compatibility 32-bit and 64-bit Windows 7 and Windows 10 32-bit Windows Vista, XP.</p>	780
350803	<p>Video Attachment 0.45x C-Mount Adapter for use with TV cameras on trinocular head and photo port, with factor 0.45x</p>	165
<u>Price for SET as described above (Attention - limited amount!)</u>		945
910402/1	<p>CAM500 is a 5MP CCD camera with "MICROVISIBLE" software and sensitive enough also f.e. for somebrighter fluorescent specimens.</p> <p>Power: USB Bus Pixel Array: 2592Hx1944V Sensitivity: 19.2 DN Pixel size 2.775 µm x 2.775 µm, Signal-to-Noise-Ratio: 61dB Imaging Area: 7.193mm x 5.395 mm, 8.991mm Diagonal (1/1.8") Sensor Technology: 1/1.8" Sony CCD, Bit Depth: 12-bit Digitalization & Processing, 12-bit RGB uncompressed output. Microscope interfacing: C-mount Enclosure: Die Cast aluminium</p> <p>Compatibility 32-bit & 64-bit Windows 7/10/Vista/XP 32-bit & 64 bit Mac OS X Snow Leopard/Leopard</p>	1.045
350803	<p>Video Attachment 0.45x C-Mount Adapter for use with TV cameras on trinocular head and photo port, with factor 0.45x</p>	165
<u>Price for SET as described above</u>		1.210

Art.No.	Description	MSRP € Price / Unit
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Tablet Camera

900143	<p>TABLET with seperated 5MP live CAMERA, Android operating system. TO BE USED ON EACH MICROSCOPE WITH TRINOCULAR TUBE!</p> <p>* LCD Touch Screen, 9.7 inch (24,64 cm) diagonal, screen resolution 2048x1536, Retina Display technology for high quality image display and smooth touching function</p> <p>* Integrated 5 Megapixel live camera CMOS Sensor Technology, Video format and frame rate: 2048x1536, 12fps / 1600x1200,15fps /1024x768, 30 fps, Exposure range and mode: Electronic shutter (ERS) auto, White balance: Menu/Auto. With the 5 MP camera, images and videos can be captured and saved to the internal memory or to a TF card (not included in set) and transferred via USB or sent via email directly from the device.</p> <p>* Android based computer system Operating System: Android 5.1.1., Quad core 1.8G processor, Interface: 8GB internal memory, TF card extension supported (maximum capacity 32GB), USB*2, AV, mini HDMI, Network module: WiFi access, Bluetooth, Audio: Stereo speaker with double channels</p> <p>* TouchScope Integrated powerful software. Supports real-time preview, photos, videos, storage, network, dynamic calibrations. No additional adapters required! COMPUTER AIDED INSTRUCTION!</p>	1.796
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