



PROPOSTA DE PREÇOS

À

UNIVERSIDADE FEDERAL DE JATAÍ (UASG: 156678)
DIRETORIA DE COMPRAS E LICITAÇÕES
Rua Riachuelo, nº1530, Setor Samuel Graham, Jataí / GO

Resp.: HR / RB
Vendedor: JKLab

PREGÃO ELETRÔNICO Nº 171/2026
DATA DE ABERTURA: 04/08/2026 as 9h30

OBJETO: AQUISIÇÃO DE EQUIPAMENTOS LABORATORIAIS, TAIS COMO: ESTUFA DIGITAL DE ESTERILIZAÇÃO ENTRE OUTROS, CONFORME CONDIÇÕES E EXIGÊNCIAS ESTABELECIDAS NO EDITAL E SEUS ANEXOS.

Dados do Proponente:

Carl Zeiss do Brasil Ltda.
Rodovia Antonio Heil, nº 1001 - Km 01 - Armazém G11, Itaipava - CEP 88316-001 - Itajaí/SC
CNPJ sob o nº: 33.131.079/0007-34, Inscrição Estadual nº 260.186.643 e Inscrição Municipal nº 319656
Contato: Regiane Bressan - Dpto. Licitações - Tel: (11) 5693-5522 – E-mail: licitacao@zeiss.com

Responsáveis Legais para assinatura de Contrato :

Bruno Silva Vale, Diretor Geral, portador do RG nº 08.356.044-1 - IFP/RJ e do CPF nº 070.694.107-19.
Agindo em conjunto com:
Lygia Evellin Barbosa Silva, Supervisora Administrativa de Vendas, portadora do RG nº 35.203.575-4 - SSP/SP e do CPF nº 229.195.538-10.

Prezados Senhores,

Na qualidade de representantes exclusivos no Brasil da empresa CARL ZEISS MICROSCOPY/ Alemanha, encaminhamos para apreciação de V. Sas. nossa proposta para fornecimento de Microscópios marca Carl Zeiss, à saber:

REF: PROPOSTA DE PREÇOS Nº 7761581319 / 7761582382

Carl Zeiss do Brasil Ltda.
Itajaí, 08 de setembro de 2026

Peso (kg)	Qtd.	Und.	Descrição	Item / Código	Preço Unitário (R\$)	Preço Total (R\$)
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ITEM 4 - CATMAT: 427014 - QUANTIDADE: 02 UNIDADES

ESTEREOMICROSCÓPIO BINOCULAR, MODELO "STEMI 355", MARCA /
FABRICANTE: CARL ZEISS, PROCEDÊNCIA: ALEMANHA, COMPOSTO DE:

491905-9880-010

- 01 PC Conjunto de Microscópio Stemi 355 Edu
- Corpo do Microscópio Stemi 355
- Sistema Greenough
- Zoom de operação manual 5,5:1 (0,72x – 4,0x) com comandos em ambos os lados
- Posições de parada (cliques) do zoom: 0,72x – 1x – 2x – 3x – 4x
- Distância de trabalho livre: 110 mm
- Ângulo de observação de 45° com distância interpupilar ajustável (55 – 75 mm)
- Encaixe para oculares de 30 mm com número de campo máximo de 23 mm
- Encaixe (diâmetro 76 mm) para suportes Stemi ou Suporte S
- Interface (diâmetro 66 mm) para iluminadores
- Rosca M52 para óptica frontal ou analisador
- Iluminação LED integrada de incidência quase vertical (IVI) para suportes C Edu/Lab/Mat, suporte L LED e Controlador C
Itens adicionais incluídos:
- Oculares 10x/23 Br. (com ajuste de foco)
- Cabo espiralado com conector RJ12 (trava deslocada para a esquerda)
Estativa C Edu
- Base da estativa: P331 x L204 x A35 mm
- Superfície de trabalho: P209 x L160 mm
- Encaixes: diâmetro de 84 mm para platinas e diâmetro de 46 mm para polarizador de luz transmitida (TL)
- Coluna de 303 mm com mecanismo de foco e manípulo; curso de elevação de 145 mm
- Suporte para microscópio Stemi (diâmetro de 76 mm), capacidade de carga de 7 kg, fricção ajustável
- 2 entradas para IVI e iluminador C LED

435066-9520-000



- Controles independentes de luz refletida (RL) e transmitida (TL) para ligar/desligar e ajustar a intensidade
 - Botão ECO
 - 2 portas USB-C para entrada e saída de energia
 - Sistema de transiluminação LED integrado (campo claro/campo escuro), comutável
 - Fonte de alimentação integrada: 12 V CC, 24 W / 100...240 V CA, 50...60 Hz.
- Itens adicionais incluídos:
- Placa de vidro e placa de plástico (preto/branco), diâmetro de 84 x 5 mm
 - Capa de proteção contra poeira
 - Iluminador pontual C LED
 - Fonte de luz pontual única para epi-iluminação em campo claro e campo escuro
 - Rosca M24x0,5 para polarizador
 - Altura ajustável, inclinável e com zoom
 - Para estativas C Edu/Lab/Mat e estativa L LED

- | | | | |
|----|----|---|-----------------|
| 02 | PC | Ocular dobrável com proteção contra a luz
- para minimizar a incidência de luz indesejada
- dobrável, utilizável com óculos | 444802-9000-000 |
| 01 | PC | Iluminador de feixe duplo tipo "pescoço de ganso" (LED)
- Iluminador de feixe duplo flexível ("pescoço de ganso"), 2x 160 mm, para epi-iluminação variável
- 2 roscas M24x0,5 para polarizador
- Altura ajustável
- Para estativas C Edu/Lab/Mat e estativa L LED | 435528-9010-000 |

Preço Unitário do Item 04 (dezenove mil duzentos e trinta e oito reais)	R\$ 19.238,00
Preço Total do item 04 (02 unidades) (trinta e oito mil quatrocentos e setenta e seis reais)	R\$ 38.476,00

ITEM 5 - CATMAT: 624539 - QUANTIDADE: 01 UNIDADE

MICROSCÓPIO TRINOCULAR MODELO "PRIMOSTAR 1", MARCA / FABRICANTE: CARL ZEISS, PROCEDÊNCIA: ALEMANHA, COMPOSTO DE: **490705-9880-010**

- | | | | |
|---|----|---|-----------------|
| 1 | PC | Microscópio Binocular Modelo "Primostar 1"
Estativa Primostar 1 Trino Abbe 0.9
Configuração completa com suporte fixo Köhler
- Iluminação de luz transmitida LED 3W luz quente, 3200K
- Revólver porta objetivas de 4 posições, inclinado para trás
- Platina mecânica sem rack 75x40, acionamento à direita e suporte de amostra para uma lâmina com clipe de mola à esquerda
- Tubo binocular 30°/20
- 02 Oculares 10x/20 Br.foc. com oculares, 1x com ponteiro
- Objetivas Plan-Achromat 4x, 10x, 40x
- Condensador Abbe 0,9/1,25 - Fonte de alimentação externa 100...240VAC/50...60Hz/30VA com adaptadores específicos do país
- Capa contra poeira. | 415501-0111-000 |
| 1 | PC | Objetiva Plan-Achromat 100x/1,25 de imersão em óleo para Primostar 1 (DT = 0,14 mm), inclui óleo de imersão, 5 ml | 415501-1653-000 |
| 1 | PC | Câmera AXIOCAM 212 COLOR | 426570-9901-000 |
| 1 | PC | Adaptador C-Mount P95-C 1/2" 0.5x para Primo | 415500-1811-000 |

Preço Unitário do Item 05 (quarenta mil novecentos e treze reais e vinte e dois centavos)	R\$ 40.913,22
Preço Total do item 05 (01 unidade) (quarenta mil novecentos e treze reais e vinte e dois centavos)	R\$ 40.913,22

Valor Global da Proposta (SETENTA E NOVE MIL, TREZENTOS E OITENTA E NOVE REAIS E VINTE E DOIS CENTAVOS)	R\$ 79.389,22
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Dados de Faturamento:

Carl Zeiss do Brasil Ltda.

Rodovia Antonio Heil, 1001 KM 01 ARMZ G1, Módulo 1, Itaipava - CEP 88316-001 - Itajaí/SC

CNPJ: 33.131.079/0007-34 - Inscrição Estadual: 260.186.643

DECLARAÇÕES DA PROPOSTA:

ISENÇÃO DE REGISTRO DO PRODUTO JUNTO À ANVISA: Declaramos que os microscópios de laboratório foram excluídos da listagem de equipamentos passíveis de regularização pela ANVISA. Apenas os microscópios utilizados em procedimentos médicos como microscópios cirúrgicos e microscópios oftalmológicos que auxiliam o profissional odontólogo ou cirurgião no procedimento continuam sob controle, conforme exemplifica a "Relação de Produtos não regularizados como dispositivos médicos" no portal da ANVISA: <https://www.gov.br/anvisa/pt-br/setorregulado/regularizacao/produtos-para-saude/produtos-nao-regulados> (Categoria 2 - Item 64)

Declaramos que os preços consignados em nossa proposta são fixos e irrevogáveis e incluem todos os custos operacionais, encargos previdenciários, trabalhistas, tributários, comerciais e quaisquer outros que incidam direta ou indiretamente na execução do objeto.

Declaramos que os equipamentos por nós ofertados nesta proposta são de concepção moderna, novos, de primeiro uso, em linha de produção e da melhor qualidade, **atendendo às especificações técnicas exigidas neste Edital, acompanhados de todos os adaptadores, cabos e acessórios para o perfeito funcionamento do sistema.**

Declaramos que estamos cientes e concordamos com as condições contidas no Edital e seus Anexos, bem como que a proposta apresentada compreende a integralidade dos custos para atendimento dos direitos trabalhistas assegurados na Constituição Federal, nas leis trabalhistas, nas normas infralegais, nas convenções coletivas de trabalho e nos termos de ajustamento de conduta vigentes na data de sua entrega em definitivo e que cumprimos plenamente os requisitos de habilitação definidos no instrumento convocatório

Declaramos total concordância com os termos do Edital e seus anexos em referência e das condições da presente licitação

CONDIÇÕES COMERCIAIS:

Validade da Proposta : 90 (Noventa) dias, a contar da data de sua apresentação.

Prazo de Entrega : O prazo de entrega dos bens é de 30 dias, contados do envio da nota de empenho, em remessa única.

Local de Entrega : Na Universidade Federal de Jataí, UFJ - Secretaria do Programa de Pós Graduação em Biociência e Saúde Única, Prédio da Pós Graduação. Rodovia BR 364, Km 195, Setor parque industrial, 3.800. CEP: 75.801-615, Cidade universitária, respeitando horário de funcionamento de segunda a sexta feira das 8:00 as 17:00h.

Pagamento : Em até 30 (trinta) dias a partir da data de emissão da Nota Fiscal, O pagamento será realizado por meio de ordem bancária, para crédito em banco, agência e conta corrente indicados.

Dados Bancários : Banco do Brasil S/A - Agência: 3336-7 - C/C.: 7193-5 - Praça de Pagamento: São Paulo/SP

GARANTIA:

12 (doze) meses, contado a partir do primeiro dia útil subsequente à data do recebimento definitivo do objeto, estando inclusos os eventuais custos de transporte, estadia, alimentação e outros necessários à manutenção corretiva dos equipamentos durante o período de garantia; excetuando-se lâmpadas incandescentes e demais artigos considerados de consumo e aqueles que comprovadamente sofreram desgastes por uso inadequado.

ASSISTÊNCIA TÉCNICA PERMANENTE:

Assistência técnica será realizada no local de instalação dos equipamentos, por técnico treinado e habilitado pelo fabricante na Alemanha.

Após o período de garantia, será oferecido um Contrato de Manutenção a ser executada pelo nosso departamento de Assistência Técnica, por técnicos especializados, qualificados e autorizados pelo fabricante do equipamento, em todos os equipamentos ofertados.

CENTRO AUTORIZADO DE ASSISTENCIA TÉCNICA NO BRASIL:

CARL ZEISS DO BRASIL LTDA - CNPJ nº 33.131.079/0001-49 - CREA/SP : 0203060.

Av. das Nações Unidas, 12.495, Torre Nações Unidas, 1º subs, Salas SS1 e SS6 e 9º and, Cj. 91, Cidade Monções

CEP: 04578-000 - São Paulo / SP

Telefone: 0800 770 5556 - E-mail: relacionamento@zeiss.com

Responsável Técnico: Ricardo Tchobnian - CREA-SP: 5061036526

ENTREGA / INSTALAÇÃO / TREINAMENTO:

Os equipamentos por nós ofertados nesta proposta serão entregues, instalados e ministrado(s) treinamento(s) em Português, por técnico especializado de nossa empresa, "in loco" conforme estabelecido no Edital, sem ônus adicionais.



Após a entrega dos equipamentos, o cliente deverá entrar em contato com a Carl Zeiss através do e-mail: relacionamento@zeiss.com para agendamento da instalação e/ou treinamento.

A embalagem do produto apenas poderá ser aberta na presença de um profissional da Carl Zeiss do Brasil.

Atenciosamente,

CARL ZEISS DO BRASIL LTDA.

Bruno Silva Vale

Diretor Geral

RG: 08.356.044-1 – IFP/RJ

CPF: 070.694.107-19

「 33.131.079/0007-34 」

CARL ZEISS DO BRASIL LTDA

Rod. Antonio Heil, 1001- Km 01- Anaz 011

Itaipava - CEP 88316-001

Itajai - SC

Lygia Evellin Barbosa Silva

Supervisora Administrativa de Vendas

RG: 35.203.575-4 SSP/SP

CPF: 229.195.538-10



ZEISS Stemi 355

Compact Size, Big Impact: Your Stereo Microscope
for Work, Study, and Discovery

zeiss.com/stemi-355



Seeing beyond

Compact Size, Big Impact: Your Stereo Microscope for Work, Study, and Discovery

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ZEISS Stemi 355 is your compact stereo microscope – equally at home in the biology classroom, research lab or on the industrial shop floor.

Whether you dissect samples, study coins, minerals, insects, flowers, circuit boards or other biological samples or simply look for a proper microscope for your hobby – predefined microscope sets will offer the optimal configuration for your applications. ZEISS Stemi 355 lets you observe samples as they really are: three-dimensional and crisp in contrast – no preparation needed.

Enjoy all the advantages of an easy-to-use microscope with integrated LED illumination for reflected and transmitted light – plus fast, easy-to-use documentation. This Greenough microscope will give you crisp 3D impressions, versatile object illumination and easily acquired images to share, whenever you want.



Simpler. More Intelligent. More Integrated.

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As easy as A-B-C, yet powerful in performance.

It's compact and it's fun. Yet Stemi 355 integrates everything you need into a single Greenough stereo microscope. Just plug it in and switch it on – that's the installation done, with no extra accessory boxes or cables to clutter up your space. Then all you have to do is illuminate your object, focus and start snapping images. You will be impressed by the image quality, this compact stereo microscope delivers.

Illumination. Crisp for Any Application.

Depending on your application, Stemi 355's integrated illumination is variable to contrast every specimen at its best. Simply press a button to select and combine up to two reflected light contrasts and transmitted light. While each zoom body is equipped with near-vertical light to illuminate deepenings in the sample, the second reflected light and transmitted light units are interchangeable. This enables predefined microscope sets for education, laboratory or industrial use to optimize contrast in your application range. White LEDs in your Stemi 355 generate the bright-light of daylight color so each image appears crisp and clear.

Documentation. On demand.

Documentation is important for lab work, essential for industrial inspection. In the classroom your ability to acquire and share images is a key resource for vivid, exciting science courses. Stemi 355 comes with an optional phototube for access to any ZEISS Axiocam microscope camera. Create your own virtual classroom by using Labscope, to stream live images from several microscopes to all connected mobile devices. It's easy to share, compare and discuss the work of all the students. Fun, too.



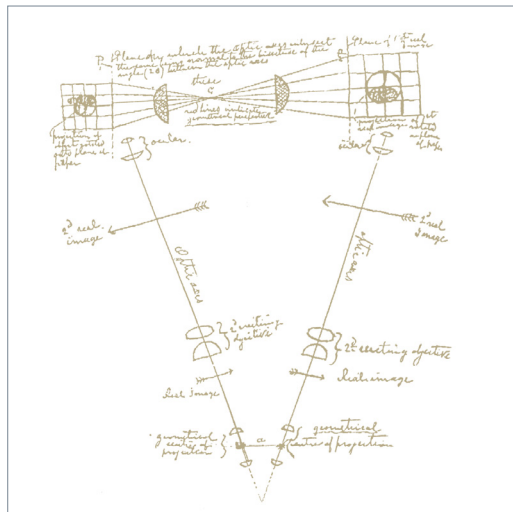
Your Insight into the Technology Behind It

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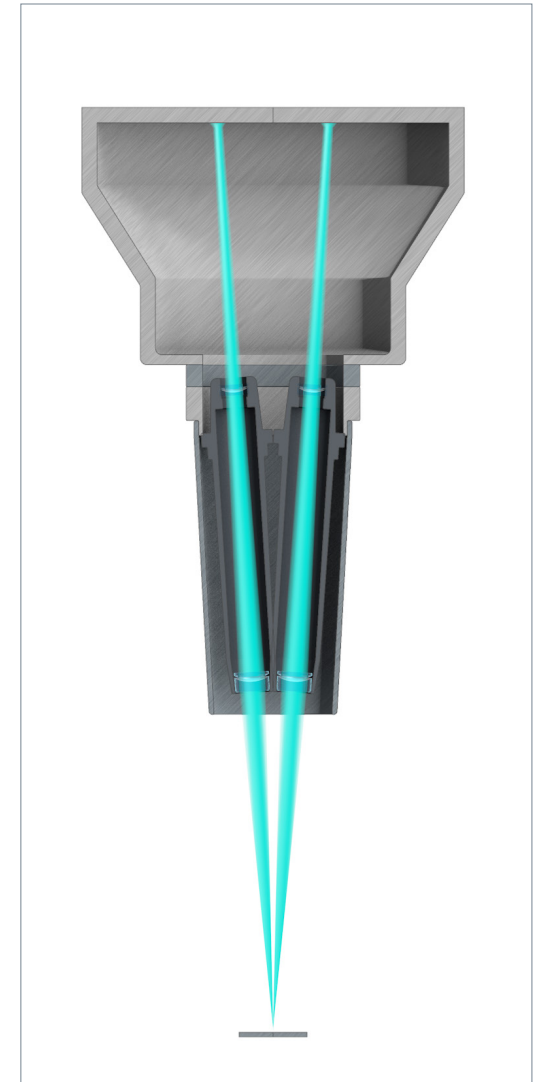
Greenough Stereoscopic Design

The basic idea behind a stereoscopic microscope is simple. It was formulated in 1896 by the biologist Horatio S. Greenough, who wanted to see small biologic samples magnified, but with the same quality as with unaided eyes. In other words, in three dimensions and with all the depth information he needed to understand the irregular shape of his specimen intuitively. He reckoned you could build a microscope with two separate beam paths facing the object from two directions, exactly as human eyes do when observing a small object at a distance of 250 mm. The brain would fuse the two images together and produce a spatial image of the object with a high degree of depth perception. This thinking led to the first factory-produced stereo microscope being developed by ZEISS.

Stemi 355 is a Greenough-type stereo microscope, combined with a continuous 5.5 : 1 zoom. It uses long working distances for easy specimen handling and large fields of view. It's compact, rugged, easy to use and easy to maintain, making it especially well-suited for intensive use in applications such as classrooms, where users frequently change, or by three-shift industrial inspection teams.



Hand drawing by Horatio S. Greenough (1896), leading to the world's first industrially-manufactured stereo microscope.



Beam path of a Greenough type stereo microscope

Your Flexible Choice of Components

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Three stands, two tubes – predefined configurations fits together like a puzzle to deliver the perfect result for your application. Choose between set-ups for education, laboratory or industry. Opt for the additional phototube, if you need to document your findings. And you're ready to start.

Education



- Binocular tube
- Integrated near vertical illumination
- LED spot, zoomable and height-adjustable, for oblique and grazing light illumination with strong shadow
- Flat transmitted light base for brightfield and darkfield illumination
- ECO-mode to easily switch into stand-by and back
- Type-C input and output
- Optional: polarization equipment for spot and transmitted light
- Order number: 435066-9520-000

Laboratory



- Binocular tube
- Integrated near vertical illumination
- Double arm gooseneck, self-carrying, for variable oblique light illumination with distinct shadow effect
- Tiltable mirror base for brightfield, darkfield and oblique light illumination
- ECO-mode to easily switch into stand-by and back
- Type-C input and output
- Optional: ergonomic hand rest, polarization equipment for spots and transmitted light
- Order number: 435066-9530-000

Industry



- Binocular tube with ESD
- Integrated near vertical illumination
- LED segmentable ring light for shadow free ring illumination and oblique light segment illumination: half circle, quarter circle, two-spot
- Rotating illuminating segments
- ESD properties: antistatic materials for the whole microscope and ESD interface from the stand
- ECO-mode to easily switch into stand-by and back
- Type-C input and output
- Optional: polarization equipment for ring light illuminator
- Order number: 435066-9510-000

Your Flexible Choice of Components

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ZEISS Stemi 355 for Education **Easy to Transport. Easy to Install.** **Easy to Use.**

In an academic environment you often have to stow away your systems and just as often set them up again. Storage space is limited. And you work with untrained or changing users. That's why you need a compact stereo microscope that's quick to (de)install and easy to shift – ideally, without extra boxes to cart around or accessories to lose. And of course the microscope must be reliable, robust and easy to use, even if the manual is long gone – and also feature quality optics and those all-important illumination contrasts.

That's a tall order, and precisely why you need the Stemi 355 education set. It has a small footprint and comes with a flat stand base and carrying handle. LED illuminations and power supply are integrated. It's easy to select and combine two reflected light illuminations and transmitted light. Stemi 355 education set provides a near-vertical illuminator to observe holes and cavities, and an oblique light spot. Just plug Stemi 355 in and play.



Compact and optimized for education use.



Easily switch between vertical illumination, oblique spot or mixed light by the push of a button – and adjust their intensities.



Change height of the spot and zoom in to create distinct shadows for a strong 3D impression. In the lowest position it delivers a grazing light that enhances fine structures on flat surfaces via hard shadows.



Use the flat transmitted light unit to contrast colored transparent specimens in bright- and darkfield. Add polarizer/analyzer equipment to observe, for example, birefringent crystals or tensions in glass or plastics.

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ZEISS Stemi 355 for Laboratory **Versatile Illumination for Sample** **Preparation**

Workspace is always limited in a laboratory where you are observing, preparing or dissecting model organisms and other bio specimens. You may be looking at oocytes or embryos, larvae or adult animals, or at plant components such as roots and leaves. For all these reasons you need variable contrasting methods in transmitted light, but also reflected light. Use the mirror-based transmitted light unit of stand C Lab to observe and manipulate even uncolored transparent specimens. With stand C Lab reflected and transmitted light can be selected easily or combined. To document your results choose Stemi 355 trino with stand C Lab, double spot C and ergonomic hand rest.



Compact, versatile and well prepared for laboratory work.



The tiltable and shiftable mirror features brightfield, one-sided darkfield and oblique light – plus polarization contrast as an option. Rotate to frosted and plain mirror side, then decide between crisp and diffuse brightfield contrast.



For sample preparations in reflected light, the double spot illumination with self-carrying goosenecks is optimal. It creates half-shadow effects that lead to a good 3D impression without overly dark shadows. During dissections the specimen stays illuminated even if the manipulating hand covers one of the spots.



For extended work add the ergonomic hand rest to keep your hands relaxed, even during long preparations.

Your Flexible Choice of Components

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ZEISS Stemi 355 for Industry Segmentable Ringlight for Quick Inspections

Stereo microscopes are essential to everyday routines in your production line or quality department: inspecting, assembling or repairing electronic or optoelectronic components, small mechanical parts, sensors or measuring devices. And if you work in electronic industries your microscopes operate in electrostatic protected areas (EPAs). Choose Stemi 355 Mat for visual inspection or small parts assembly. It provides stand C Mat with reflected light LED controls and anti-static surface resistance to enable use in EPAs. It also includes two reflected light illuminations: the integrated vertical illuminator to look at holes, threads and cavities – and the segmentable ringlight C LED. Simply press the dimming button at the side of the focus column to switch quickly between vertical spot, ring illumination and mixed light. To document or archive your results use Stemi 355 trino with stand C Mat and segmentable ringlight C.



Compact, easy to use and suited for electrostatic protected areas.



Stemi 355 is equipped with an integrated near-vertical LED spot to illuminate holes and indentations – even through front optics.



The shadow-free ringlight features four different segment modes: full-, half- and quarter-circle and 2-opposite quarter-circle. Set the segment illumination, then turn the light direction manually in 90° steps to quickly inspect for scratches, defects or residues without moving your specimen. Or use auto rotating mode to get a spatial impression of the object surface just by changing shadows.

Expand Your Possibilities

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Choose from a range of interchangeable front optics and eyepieces – and get access to all magnifications between 3.6x and 200x, double resolution of your Stemi 355 or maximize free working distance and object field.



For demanding samples such as dark specimens, special contrast techniques or critical color evaluations, you will need the separate cold light source CL6000 LED. Enjoy the benefits of its high color rendering index 90 and a large range of fiber optic light guides and accessories. For stands without LED electronics chose between compact stand C/L or large stand N.



To observe big specimens or to cover a large area of interest, choose from our range of boom stands: stand B with its single extension arm, ball-bearing boom stand SDA for extra stability and easy movement, or tilting arm stand U, well balanced in height to cover large specimen volume. Add the front lens 0.5x to profit from 185 mm working distance.



To position your specimen precisely, use a ball-and-socket, gliding or rotating polarization stage.



Use stand C (version without electronics) and adapt articulating arms to finely adjust light guides.



Use the memory function of stand L LED to store and recall your illumination settings for different samples.

Tailored Precisely to Your Applications

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Typical Applications, Typical Samples	Task	ZEISS Stemi 355 Offers
Education Lab Courses and Advanced Training in:	Study and identify various kinds of unprepared specimen during academic lessons and lab courses.	■ Compact education microscope set including Stemi 355 stereo microscope, compact stand and integrated illumination for reflected and transmitted light. ■ All-in-one design, easy to carry, easy to install and easy to use.
■ Botany	Investigate the morphology of plant organs.	
■ Zoology	Study the anatomy of small animals such as worms, snails, spiders, frogs, mice.	■ Various illumination techniques integrated: Reflected light spot for oblique light. Near vertical spot to illuminate deepenings. Flat transmitted light unit for brightfield and darkfield.
■ Mineralogy	Study composition and structure of minerals and rocks.	
■ Geology	Collect and identify micro fossils, such as foraminifera.	■ Optional equipment for qualitative transmitted light polarization.
Live Demonstrations	Teach sample preparation or dissection on large screen while the whole class is observing your work.	■ Using Stemi 355 trino with Educam 105 you simultaneously work under the stereo microscope while the live window is displayed with Labscope.
Digital Classroom	Connect all microscopes in the classroom and share their live images. Snap, edit and discuss your results easily.	■ Use free Labscope to display all live images on each mobile devices like iPad in the net.
Laboratory Routine Laboratory Work in Bio Labs	Screen, sort and prepare your plants, animals, embryos, eggs or larvae. Observe, manipulate and dissect model organisms such as <i>Drosophila</i> , <i>C. Elegans</i> , <i>Xenopus</i> or zebrafish. Document your results easily.	■ Stemi 355 laboratory microscope set with mirror based transmitted light unit delivers crisp or homogeneous brightfield, darkfield and oblique light contrast. The latter is needed to contrast uncolored specimen such as <i>C. Elegans</i>. For dissections in reflected light, a double spot gooseneck is integrated. ■ Document highly resolved images using Stemi 355 trino with a ZEISS Axiocam microscope camera.
Veterinary Medicine	Look for and identify parasites such as mites, ticks, fleas, and lice, as well as their eggs and larvae. Carry out small animal surgery. Collect and classify horse or cattle embryos for subsequent transfer or for deep freezing for breeding purposes.	■ Use Stemi 355 with front lens 0.5x to get a long working distance and flexible tilting arm stand U. The near vertical based illumination of Stemi 355 is shadow free and homogeneous – and always correctly adjusted to the object field. ■ Stand C Lab delivers the oblique light contrast required to evaluate the embryos.

Tailored Precisely to Your Applications

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Typical Applications, Typical Samples	Task	ZEISS Stemi 355 Offers
Industry	Use Stemi 355 for assembly, visual inspection, and repair of various 3D shaped industrial work pieces.	■ Compact Stemi 355 Mat microscope set includes integrated vertical illumination to illuminate holes and deepenings, and a shadow free ringlight. ■ ESD safe by using antistatic materials, usable in electrostatic protected areas. ■ The ringlight is segmentable for distinct shadow effects. Quickly change the light direction to find scratches and defects without moving the specimen. ■ To investigate structures of flat surfaces set double arm gooseneck to a low position to create grazing light. To reduce reflections from shiny parts add optional polarization equipment. ■ For large part inspection use cost effective boom stand B in combination with front lens 0.5x. Benefit from the integrated vertical illumination of Stemi 355. ■ To document with highly resolved images use Stemi 355 trino with Axiocam microscope camera.
■ PCB Electronics	Visual inspection for damage to circuit boards, e.g. oxidation, stress corrosion, inaccurate drill holes.	
■ Entertainment Electronics	Inspection of the quality of soldered connections, e.g. for improper wiring or for damaged or missing components.	
■ Micro Technology	Manufacturing, inspection and repair of thick film or hybrid circuits.	
■ Car Industry	Inspection of injection nozzles, air bags ABS systems. Inspection of large parts, motor or chassis components.	
■ Dental Laboratory	Finish all-ceramic crowns accurately and reliably, identify and remove casting beads precisely in the framework.	■ Use Stemi 355 flexible tilting arm stand U to share your microscope with two or three work places. The integrated vertical illumination of Stemi 355 is shadow free and homogeneous – and always correctly adjusted to the object field.

ZEISS Stemi 355 at Work

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Wing of Chrisopidae; transmitted light brightfield



Bullet, reflected light brightfield



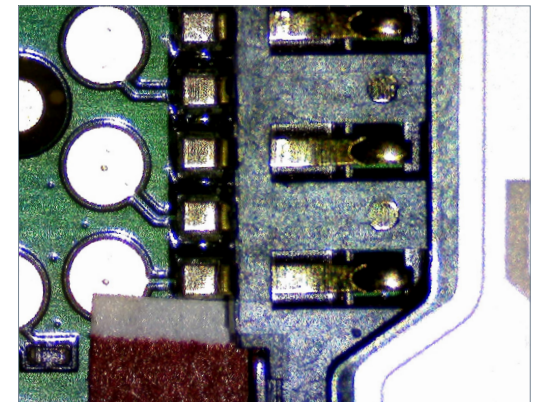
Grape ivy, appressoria; spot oblique light, zoom 1.2x



Wing of Chrisopidae; transmitted light darkfield



Erpetoichthys calabaricus acquired with Stemi 355, sample courtesy of: Ralf Britz, Senckenberg Dresden



Circuit board, reflected light brightfield

Your Flexible Choice of Components

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1 Microscope

- Stemi 355 (binocular)
- Stemi 355 trino (phototube, 50/50 division to the left, integrated c-mount camera adapter 0.5x)
- Stemi 355 ESD (with antistatic material housing)

Microscope Sets

- Stemi 355 Edu
- Stemi 355 Lab
- Stemi 355 Mat

2 Interchangeable Optics

- Eyepieces: 10x/23 Br. Foc (included), 16x/14 Br. Foc, 25x/10 Foc
- Front optics: 0.5x, 0.75x, 1.5x, 2.0x

3 Illumination

- LED illuminators to stands C/L: spot, double spot gooseneck, segmentable ringlight, flat or mirror-based transmitted light stands
- Controller C – for controlling near vertical spot or ringlight
- Fiberoptic cold light sources CL6000 LED and CL1500 Hal with spot, annular ring, linear, vertical, diffuse and area illuminators, fiber optic transmitted light unit
- Polarization equipment for filters for spots, ringlights and transmitted light units

Illumination Techniques

- Reflected and transmitted light: brightfield; darkfield; polarization; oblique light

4 Stands

- Space saving table top stand C
- Stand C Edu with reflected light (=RL) LED electronics and flat transmitted light unit
- Stand C Lab with RL LED electronics and mirror-based transmitted light unit
- Stand C Mat with RL LED electronics and ESD features (antistatic)
- Large table top stand N
- Boom stands B and SDA, tilting arm stand U
- Stand L and Stand L LED with larger working space (and Stand L LED with optional mirror-based or flat transmitted light unit and LED electronics)

5 Accessories

- Eyepiece reticles, gliding, ball/socket and rotating stages, ergo hand rest for stand C Lab, foldable eyepiece eyecup

6 Software

- ZEN lite imaging software
- Labscope imaging software

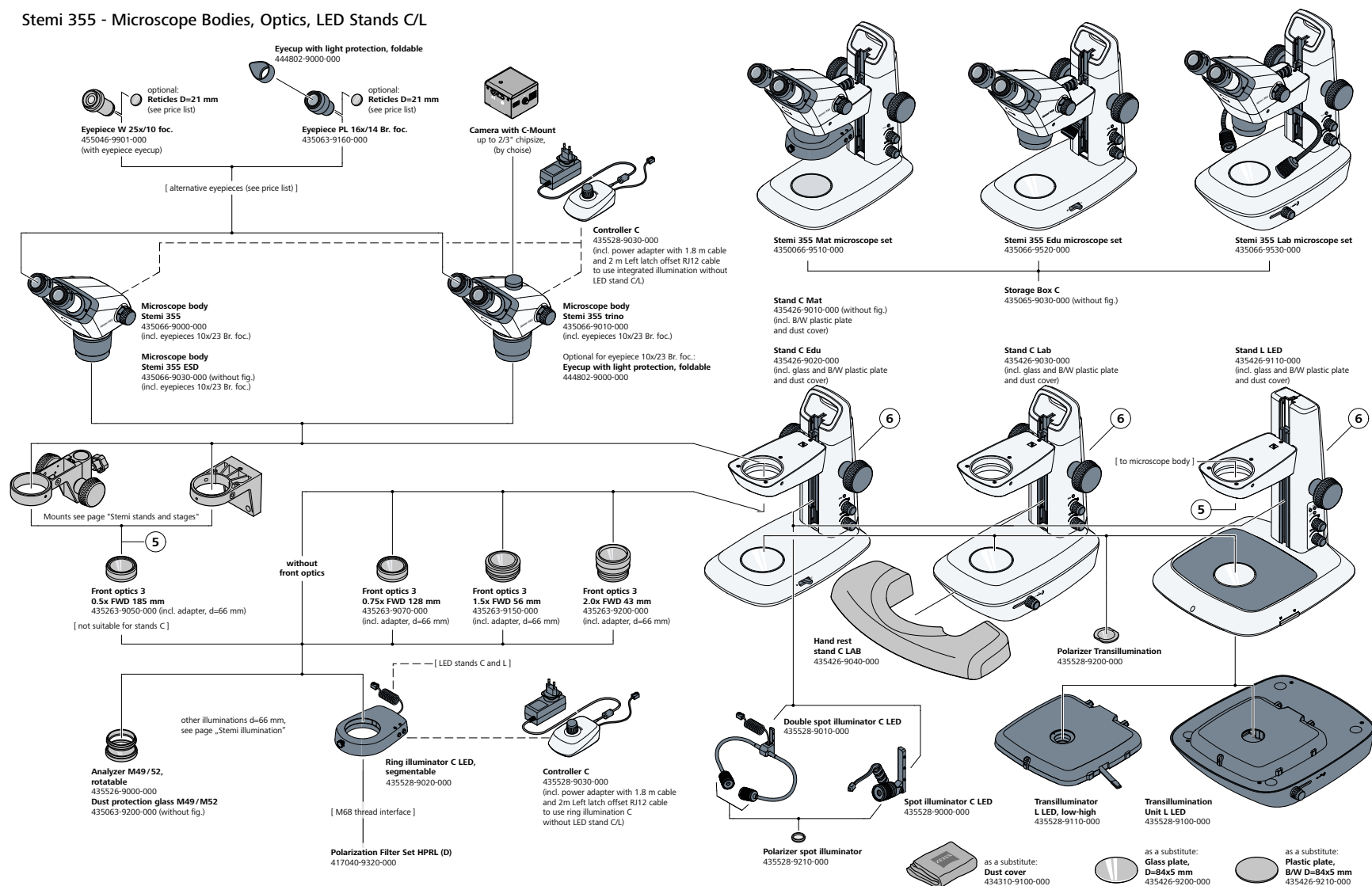
7 Recommended Cameras

- Axiocam 105 R2 color
- Educam 105
- Axiocam 212
- Axiocam 305 R2

System Overview

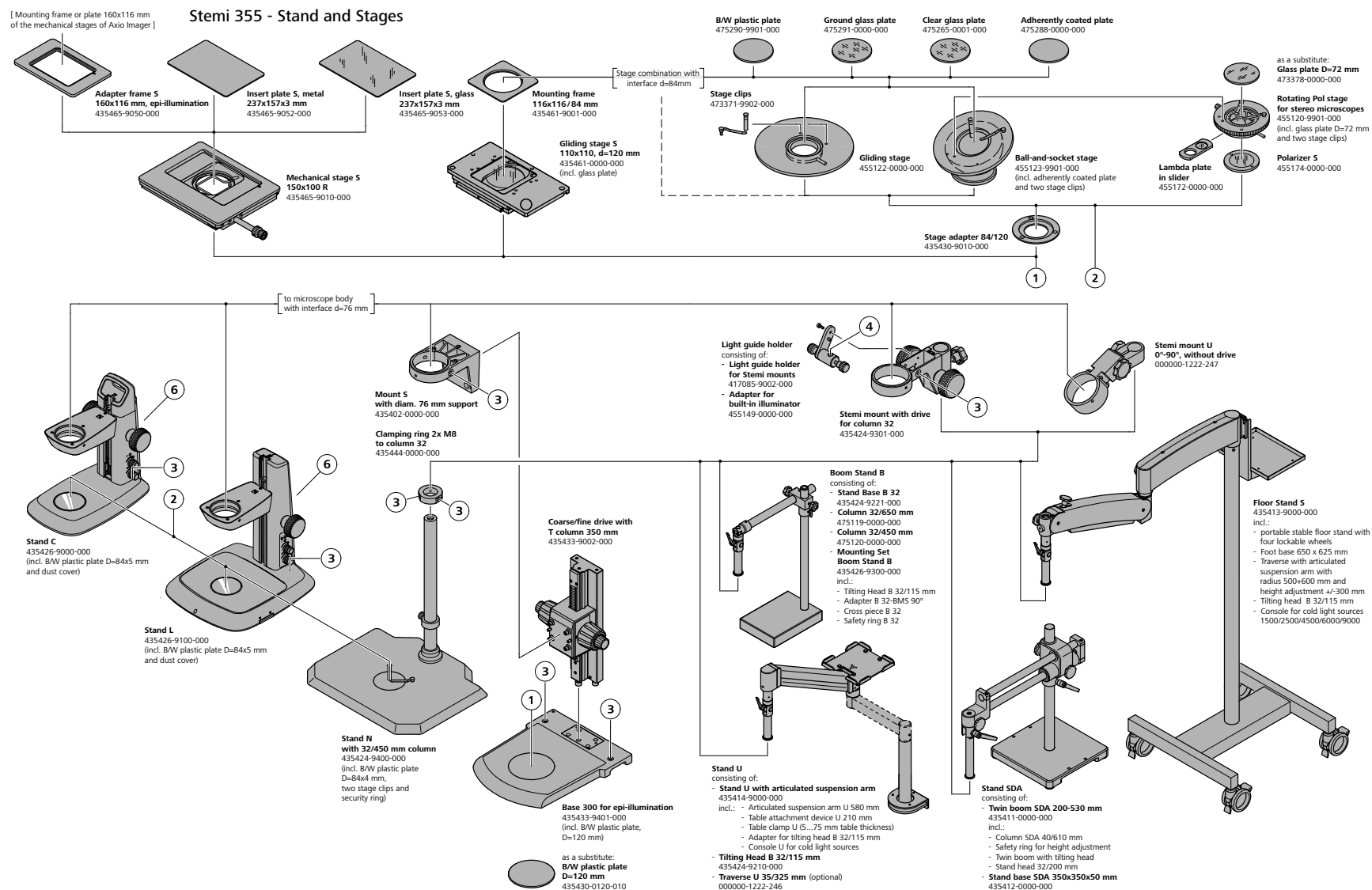
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Stemi 355 - Microscope Bodies, Optics, LED Stands C/L



System Overview

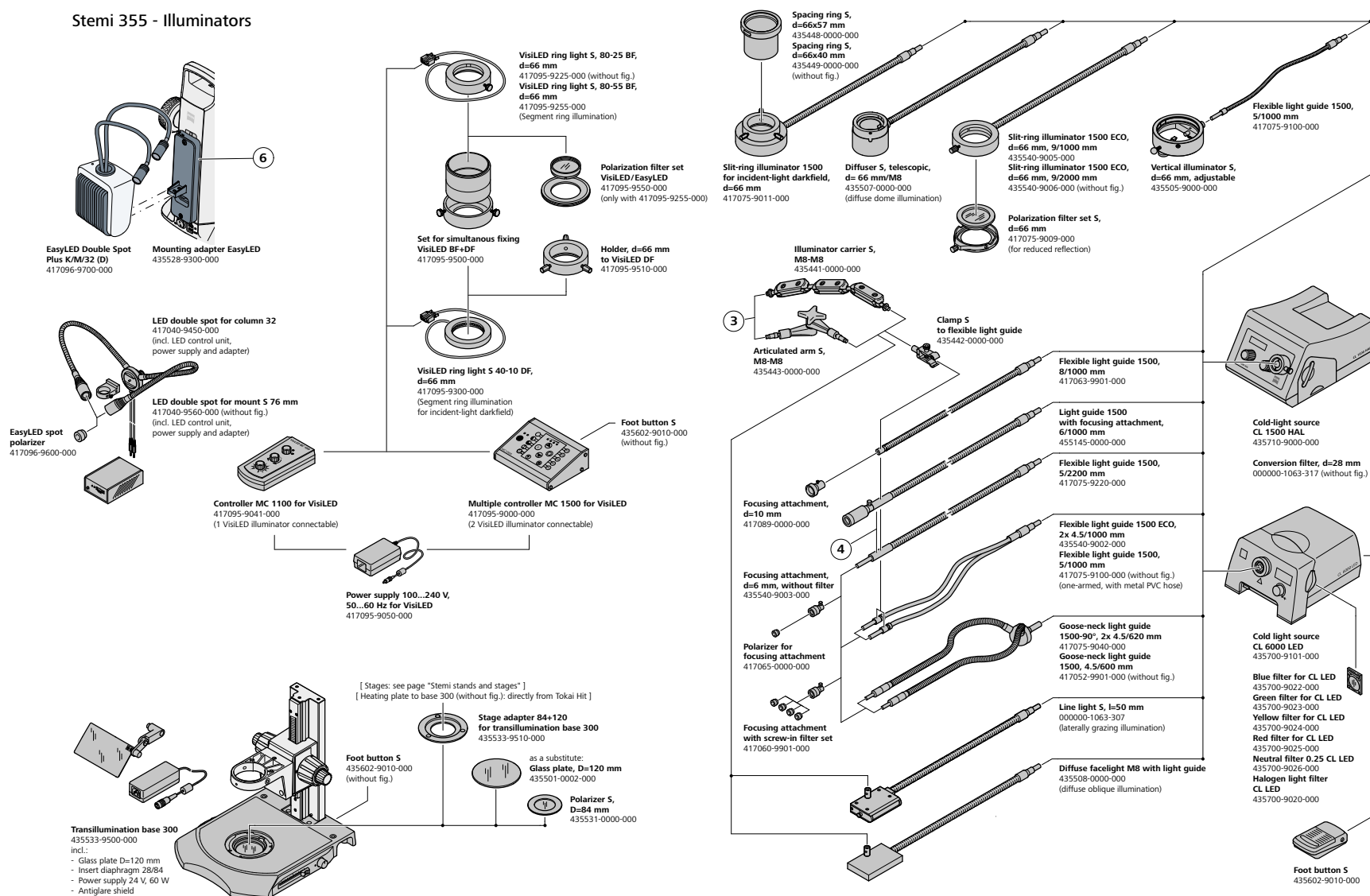
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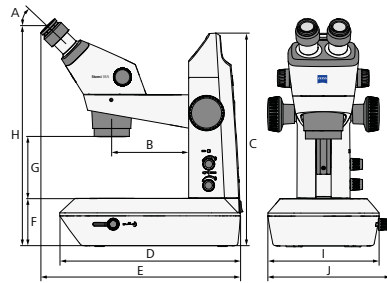
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Stemi 355 - Illuminators

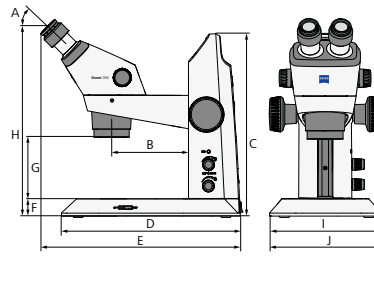


Technical Specifications

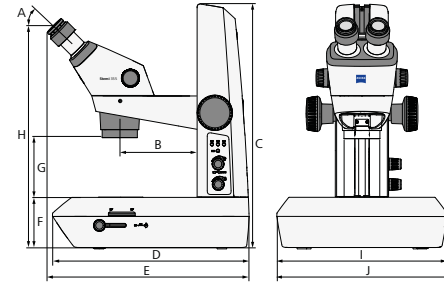
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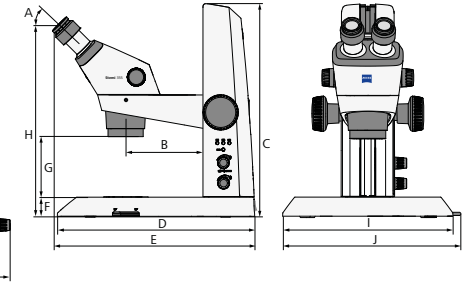
Stemi 355 Lab set



Stemi 355 Edu/Mat set



Stemi 355 in Stand L LED with transillumination unit



Stemi 355 in Stand L LED with transilluminator, lowheight

	Stemi 355 Lab set	Stemi 355 Edu/Mat set	Stemi 355 in Stand L LED with transillumination unit	Stemi 355 in Stand L LED with transilluminator, lowheight
A (°)	45	45	45	45
B (mm)	140	140	140	140
C (mm)	392	338	448	390
D (mm)	331	331	360	360
E (mm)	375	375	375	375
F (mm)	89	35	95	37
G (mm)	110	110	110	110
H (mm)	425	371	431	373
I (mm)	204	204	311	312
J (mm)	225	208	332	326
Weight (kg)	6	5.7	10	7.8

ZEISS Stemi 355		PL 10×23 Br Foc				PL 16×14 Br Foc				PL 25×10 Foc			
Front Optics	FWD	Total Magnification		Object Field [mm]		Total Magnification		Object Field [mm]		Total Magnification		Object Field [mm]	
		Min. Zoom	Max. Zoom			Min. Zoom	Max. Zoom			Min. Zoom	Max. Zoom		
0.5	185	3.6	20	63.9	11.5	5.8	32	38.9	7.0	9.0	50	27.8	5.0
0.75	128	5.4	30	42.6	7.7	8.6	48	25.9	4.7	13.5	75	18.5	3.3
1× (without FO)	110	7.2	40	31.9	5.8	11.5	64	19.4	3.5	18.0	100	13.9	2.5
1.5	56	10.8	60	21.3	3.8	17.3	96	13.0	2.3	27.0	150	9.3	1.7
2.0	43	14.4	80	16.0	2.9	23.0	128	9.7	1.8	36.0	200	6.9	1.3

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Overall

Type of Microscope	Stereo microscope, Greenough design
Design Principle	Two zoom systems, tilted by the stereo angle
Stereoscopic View	Three-dimensional observation through eyepieces

Optical Data Basic System (Eyepieces 10x, No Front Optics)

Magnification Range	7.2x – 40x
Free Working Distance	110 mm
Maximum Resolution	245 Lp/mm – 2.04 µm
Maximum Object Field Diameter	32 mm

Optical Data with Interchangeable Optics (Eyepieces, Front Optics)

Accessible Magnification Range	3.6x – 200x
Free Working Distances	43 – 185 mm
Maximum Resolution	489 Lp/mm – 1.02 µm
Maximum Object Field Diameter	64 mm

Microscope Bodies

Manual Zoom, Zoom Range	5.5:1 (0.72x – 4.0x)
Quality of Zoom Optics	Low distortion, crisp in contrast
Parfocality of Zoom Optics	Object remains focused while zooming
Viewing Angle	45°
Adjustment of Interocular Distance	55 – 75 mm
Zoom Click Stops	Five positions: 0.72x, 1x, 2x, 3x, 4x
Maximum Field Number	23 mm
Integrated near Vertical LED Illumination	Integrated in each Stemi 355 microscope body, powered by stands C Edu/Lab/Mat or controller C, illumination angle 11° towards optical axis
Documentation Features Stemi 355 trino	Photoport with 50/50 split to eyepiece, integrated camera adapter 0.5x in left channel, c-mount interface

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Interfaces

Front Optics and Polarization Analyzer	M52
Eyepieces	d = 30 mm
Stemi Mounts	d = 76 mm
Illuminators	d = 66 mm
Each Microscope Body incl. Eyepieces 10x/23 Br. Foc and Spiral Cable RJ12 with left latch offset	

Compact Stand C system

Stand C	Mechanical stand for external illumination. With 2x M8 interface for light guide carriers. Central through-hole d = 38 mm
Stand C Mat	With interfaces/controls for reflected light illuminators C LED. Provides ESD features (antistatic surface resistance). Central through-hole d = 38 mm
Stand C Edu	With interfaces/controls for reflected light illuminators C LED and built-in flat transilluminator (brightfield/darkfield).
Stand C Lab	With interfaces/controls for reflected light illuminators C LED and built-in mirror based transillumination unit (brightfield/darkfield/oblique).
All stands incl. glass plate and/or BW plastic Plate D = 84x5 mm and dust cover. incl country specific power cable Euro C8 with delivery	

Stand Base W204x D331 x H35 mm (C Lab: H89 mm)

Working Surface	W160 x D209 mm
Mechanical Interfaces	Interface for stages d = 84 mm. Interface for TL Polarizer d = 46 mm.

Stand Column with Stemi Mount, Handle and Focus Drive (Friction adjustable)

Height/Lifting range	303 mm/ 145 mm
Load capacity of Stemi mount	7 kg
Mechanical Interfaces	Interface for Stemi body d = 76 mm. Interface for Spot/Double Spot C LED

Electronic features of stands C Edu/Lab/Mat

On/off Switch	
Control knob for transmitted light	Push: on/off. Rotate: dimming
Control knob for two reflected light illuminators	Push sequentially: illuminator A ⇒ illuminator B ⇒ mixed light A+B ⇒ off. Rotate: dimming
Two RJ12 sockets to retrofit reflected light illuminators	Integrated near vertical illuminator and Spot C LED or Double Spot C or segmentable ringlight C
ECO button	Switch into Stand-by and back
Type-C input port for whole microscope power supply	12V DC, max. 2A
Type-C output port for external device	5V DC, max. 1A
Integrated power supply, easily changeable:	12V DC 24W/100...240V AC/50...60Hz. With CE marking, UL/CB, FCC, BS, EEC and UKCA

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LED Illuminators for Stands C/L

Spot C LED	Height adjustable, tiltable, zoomable
Double Spot C LED	Height adjustable. Flexible positioning due to self carrying goosenecks.
Segmentable Ringlight C LED	Full/half/quarter circle, two opposing quarters. Segments rotatable in steps or continuous movement. Working distance typ 50 mm – 300 mm.
Integrated Flat transmitted light base/ Transilluminator L LED, low-height	Flat unit that doesn't add height to the stand. Quick switching between diffuse brightfield and all-sided darkfield.
Integrated tiltable mirror base/ Transillumination unit L LED	Variable contrasting by rotatable and slidable mirror: Diffuse and crisp brightfield, oblique and one-sided darkfield illumination.
POL contrast optional for all illuminators	

Optical specifications LED Illuminators C (for Stands C Edu/Mat/Lab)

Color Temperature CCT [K]	Typ. 5700 K
Lifetime (Lumen Maintenance) [h]	Typ. 25000 h (operation time until the light intensity degraded to 70 % of initial value)
LED Spot C, max. brightness	Typ. 26000 lx (object field center, LED spot mounted to stands C series)
LED Double Spot C, max. brightness	Typ. 138000 lx (object field center, double spot mounted to stands C series)
Segmentable Ringlight C, max. brightness	Typ. 57000 lx (object field center, Full-circle, ringlight mounted to stands C series)
Integrated Flat transmitted light base, max. brightness	Typ. 57000 lx (object field center for Stand C Edu)
Integrated tiltable mirror base, max. brightness	Typ. 32000 lx (object field center for Stand C Lab)

Large Desktop stand L system

Stand L	Mechanical stand for external illumination. With 2x M8 interface for light guide carriers. Central through-hole d = 39 mm
Stand L LED	Stand with integrated electronics for reflected/transmitted light LED illuminators C/L.
Both stands incl. glass plate and/or BW plastic Plate D = 84x5 mm and dust cover. incl country specific power cable Euro C8 with delivery	

Stand Base W312 × D360 × H37 mm (with Transillumination unit: H95 mm)

Working Surface	W250 × D209 mm
Mechanical Interfaces	Interface for Stages d = 84 mm. Interface to retrofit Transillumination unit L LED or Transilluminator L LED, low-height
	Interface for transmitted light polarizer d = 46 mm. Central through-hole 39 mm.

Stand Column with Stemi Mount and Focus Drive (Friction adjustable)

Height / Lifting range	353 mm / 180 mm
Load capacity of Stemi mount	7 kg
Mechanical Interfaces	Interface for Stemi body d = 76 mm. Interface for Spot / Double Spot C LED.

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Electronic features of Stand L LED

Sliding contacts for transmitted light illuminators	Cable-free adaption of LED Transillumination unit L LED or Transilluminator L LED, low-height
Memory section to store three mixed light scenarios	Store and recall "on/off and brightness" of all adapted illuminators C/L
On/off Switch	
Control knob for transmitted light	Push: on/off. Rotate: dimming
Control knob for two reflected light illuminators	Push sequentially: illuminator A ⇒ illuminator B ⇒ mixed light A+B ⇒ off. Rotate: dimming
Two RJ12 sockets to retrofit reflected light illuminators	Integrated near vertical illuminator and Spot C LED or Double Spot C or segmentable ringlight C
ECO button	Switch into Stand-by and back
Type-C input port for whole microscope power supply	12V DC, max. 2A
Type-C output port for external device	5V DC, max. 1A
Integrated power supply, easily changeable:	12V DC 24W/100...240V AC/50...60Hz. With CE marking, UL/CB, FCC, BS, EEC and UKCA

Optical specifications LED Illuminators C (for Stand L LED)

Color Temperature CCT [K]	Typ. 5700 K
Lifetime (Lumen Maintenance) [h]	Typ. 25000 h (operation time until the light intensity degraded to 70 % of initial value)
LED Spot C, max. brightness	Typ. 26000 lx (object field center, LED spot mounted to Stand L LED)
LED Double Spot C, max. brightness	Typ. 138000 lx (object field center, double spot mounted to Stand L LED)
Segmentable Ringlight C, max. brightness	Typ. 57000 lx (object field center, Full-circle, ringlight mounted to Stand L LED)
Transilluminator L LED, low-height, max. brightness	Typ. 74000 lx (object field center for Stand L LED)
Transillumination unit L LED, max. brightness	Typ. 33000 lx (object field center for Stand L LED)

Ambient Conditions

Storage (without Packaging)	
Permissible Ambient Temperature	+5 to +40 °C
Permissible Humidity	Max. 95 % to +40 °C
Transportation and Storage (in shipping Packaging)	
Permissible Ambient Temperature	-40 to +70 °C
Permissible Humidity	Max. 95 % to +40 °C
Operation	
Permissible Ambient Temperature	+5 to +40 °C
Permissible Humidity	Max. 95 % to +40 °C
Air Pressure	800 hPa to 1060 hPa
Degree of Pollution	2
Area of Use	Closed spaces
Max. Altitude	Max. 2000 m

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Operational Data – Power Supply unit for stand L LED, stands C Edu/Lab/Mat and Controller C

Protection Class	IP 20
IEC earth class	Class II of IEC 61140
Degree of Pollution	2
Overvoltage Category	II
Power Supply	100 to 240 VAC $\pm 10\%$
Power Frequency	50 Hz/60 Hz
Power Consumption	Max. 60 VA
Nominal DC Voltage	12V DC
Nominal DC Current	max. 2 A
Max. current	0.58 A

ZEISS Service – Your Partner at All Times

Your microscope system from ZEISS is one of your most important tools. For over 175 years, the ZEISS brand and our experience have stood for reliable equipment with a long life in the field of microscopy. You can count on superior service and support – before and after installation. Our skilled ZEISS service team makes sure that your microscope is always ready for use.

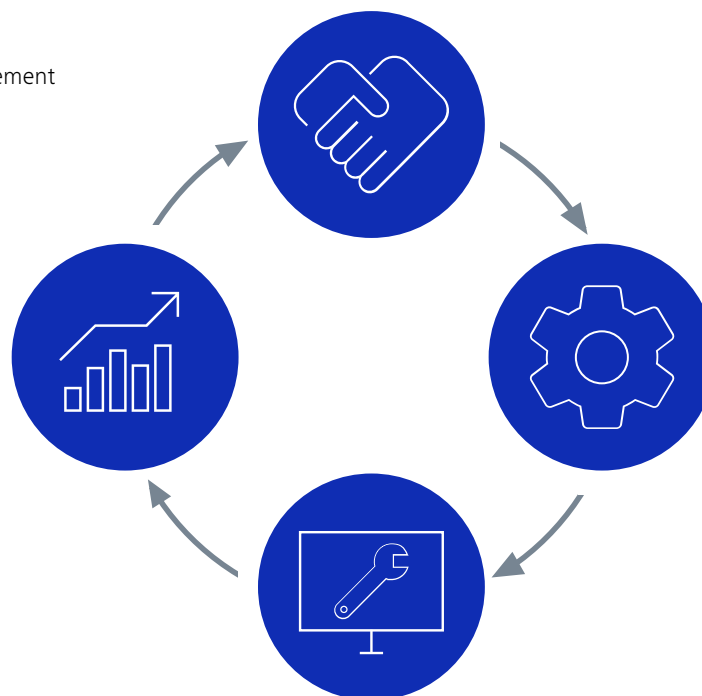
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Procurement

- Lab Planning & Construction Site Management
- Site Inspection & Environmental Analysis
- GMP-Qualification IQ/OQ
- Installation & Handover
- IT Integration Support
- Startup Training

New Investment

- Decommissioning
- Trade In



Operation

- Predictive Service Remote Monitoring
- Inspection & Preventive Maintenance
- Software Maintenance Agreements
- Operation & Application Training
- Expert Phone & Remote Support
- Protect Service Agreements
- Metrological Calibration
- Instrument Relocation
- Consumables
- Repairs

Retrofit

- Customized Engineering
- Upgrades & Modernization
- Customized Workflows via ZEISS arivis Cloud

Please note: Availability of services depends on product line and location

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ZEISS Primostar 1

para Educação e Ensino



ZEISS Primostar 1



Seeing beyond

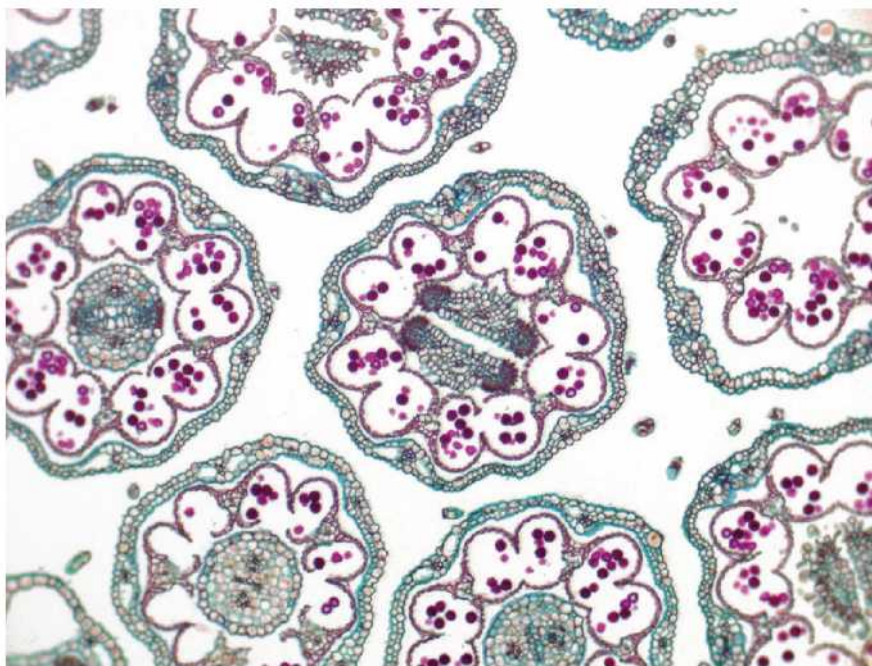
ZEISS Primostar 1

para Educação e Ensino

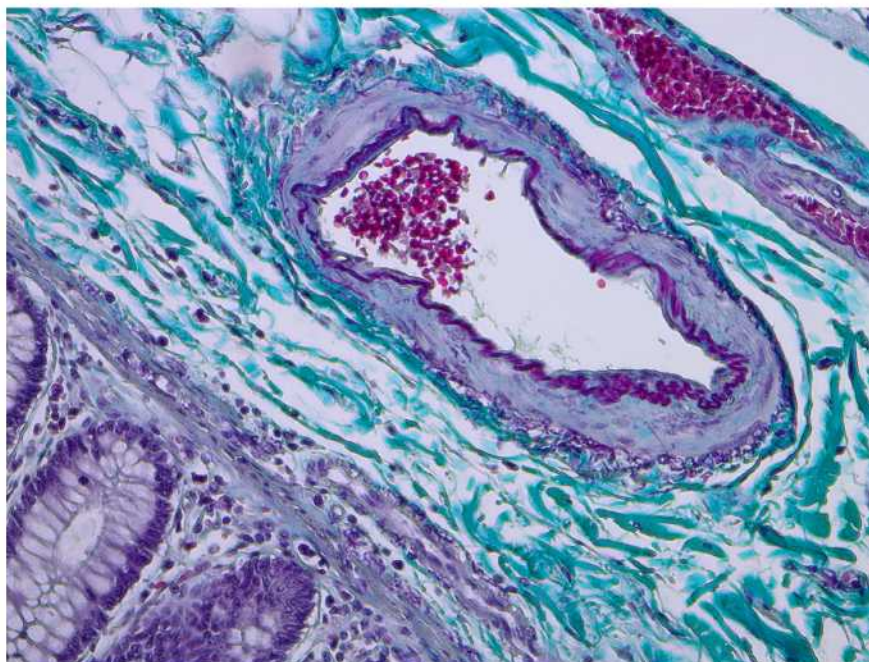
Robusto, fácil de usar, óptica de qualidade e, acima de tudo, acessível: os microscópios educacionais devem ter exigências especiais. O ZEISS Primostar 1 atende a todas elas. O Primostar 1 foca no essencial.

Este microscópio para fins didáticos é otimizado para microscopia de campo claro de amostras coloridas das ciências da vida. O Primostar 1 vem como microscópio de montagem fixa com iluminação de Fixed-Koehler. Basta ligar e iniciar suas descobertas.

Para uso sustentável, o Primostar 1 é feito de materiais de alta qualidade e se dedica à iluminação LED com economia de energia. A precisão torna o ensino com o Primostar 1 eficaz e a sua escolha um investimento altamente econômico. Vantagem adicional: garantia de 5 anos.



Marqarida (Bellis perennis) campo claro



Intestino de porco, Masson-Goldner colorido

- Montagem pronta para uso – simplesmente ligue e comece a trabalhar.
- Controle total: o visor azul de intensidade luminosa em ambos os lados do suporte atua como importante função de controle sobre todos os microscópios na sala de aula: para controle pelo educador e controle rápido da intensidade luminosa pelos usuários
- Para a prática da mão direita: opere o acionamento da platina com a mão direita e use o acionamento de foco com sua mão esquerda
- Platina sem suporte e cobertura de platina para a sua segurança e conforto
- Para a longevidade: condução robusta e de curta duração com escalas fáceis de ler
- É indispensável: padrões elevados na seleção de materiais: os microscópios são compostos principalmente de metal
- A forma acompanha a função: o design combina estética com a máxima funcionalidade
- Tubo de Siedentopf: ajustável em altura com 30° e Campo de Visão de 20 mm
- Tubo de Siedentopf: ajuste do relevo individual dos olhos em uma ampla faixa de 48 mm a 75 mm
- Objetivas e lentes são protegidas contra roubo
- As objetivas pré-instaladas são: Plan-Achromat 4x / 0,10, 10x / 0,25, 40x / 0,65
- Tratamento antifúngico das objetivas
- Acessório: Plan-Achromat 100x / 1,25 Óleo
- Duração do LED: 25.000 hrs



Dados técnicos

Dimensões (largura x profundidade x altura)	
Suporte com tubo binocular	aprox. 190 mm x 400 mm x 390 mm
Peso	
Primostar 1 com tubo binocular 30°/20	aprox. 7,5 kg
Condições ambientais	
Transporte (em embalagem): Temperatura ambiente admissível	-40 a +70 °C
Armazenamento: Temperatura ambiente admissível	-10 a +40 °C
Umidade do ar admissível (sem condensação)	máx. de 75 % a 35 °C
Operação: Temperatura ambiente admissível	+10 a +40 °C
Umidade do ar admissível (sem condensação)	máx. de 75 % a 35 °C
Pressão atmosférica	800 hPa a 1.060 hPa
Altitude de operação	máx. 2.000 m
Grau de poluição	2
Dados de operação	
Classe de proteção	II
Tipo de proteção	IP20
Segurança elétrica	em conformidade com a norma DIN EN 61010-1 (IEC 61010-1) incluindo as diretivas CSA e UL
Grau de poluição	2
Categoria de sobretensão	II
Supressão de radiointerferência	em conformidade com a norma EN 61326
Voltagem da linha	100 a 240 V (±10%) Fonte de alimentação com entrada de ampla faixa, ou seja, a configuração do instrumento não precisa ser alterada!
Frequência da linha	50/60 Hz
Consumo de energia	70 VA; tensão secundária da fonte de alimentação externa 12 V
Saída da unidade de alimentação com plug-in	12 V DC; máx. 2.5 A
Classe LED do dispositivo completo	3B
Fontes de luz	
Iluminação LED	LED de luz branca, comprimento de onda máxima de 440 nm, LED classe 2
Temperatura de cor constante e independente do brilho de	3.200 K
Iluminação de campo homogênea	20 mm de diâmetro
Adequada para objetivas com ampliações de	4x a 100x
Ajuste análogo do brilho de	aprox. 15 a 100 %
Dados ópticos / mecânicos	
Suporte com focagem na platina	
Com acionamento macrométrico de foco	45 mm / rev.
Com um bom acionamento de focagem	0,5 mm / rev.
Elevação total da platina	15 mm
Alteração da objetiva	manual via porta-objetivas quádrupla
Objetivas	faixa da objetiva de correção infinita com rosca de montagem W 0,8
Lentes	Tamanho do tubo de 30 mm
Com o número de campo de visão 20	WF 10x / 20 Br. foc.
Platina para amostra	Platina mecânica sem suporte 75 x 40 direita / esquerda
Dimensões (largura x profundidade)	140 x 140 mm
Movimentação da platina (X x Y)	75 x 40 mm
Acionamento coaxial	opcionalmente direita ou esquerda
Escalas de Vernier	legível a partir da direita
Suporte de amostra	com alavanca de mola, esquerda
Condensador Abbe 0,9 / 1,25; Fixed-Köhler	para as objetivas 4x a 100x
Tubo Binocular 30° / 20	
Número máximo do campo de visão	20
Distância interpupilar	ajustável de 48 a 75 mm
Ângulo do tubo	30°
Altura de visualização	375 a 425 mm
Porta de visualização	fator de tubo 1x
Espelho de iluminação	com superfície plana e superfície esférica com f = 75 mm

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Capture microscope images the smart way.



ZEISS Axiocam 212 color

Your Clever, 12 Megapixel Microscope Camera for
Smart Digital Documentation

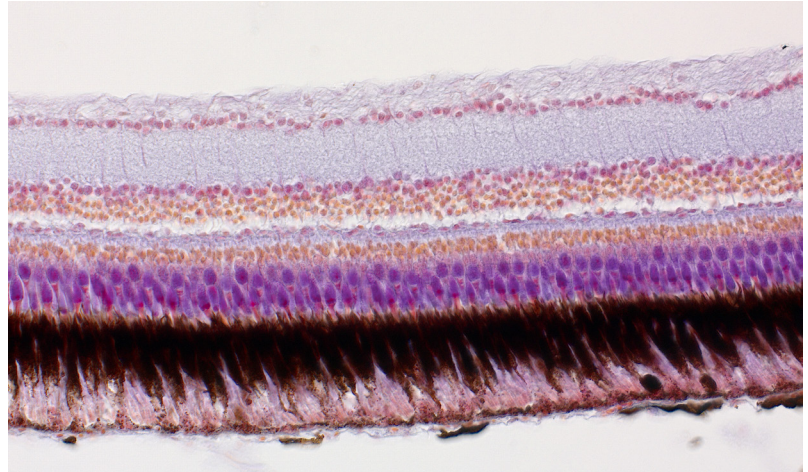
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Seeing beyond

ZEISS Axiocam 212 color

Your Clever, 12 Megapixel Microscope Camera for Smart Digital Documentation



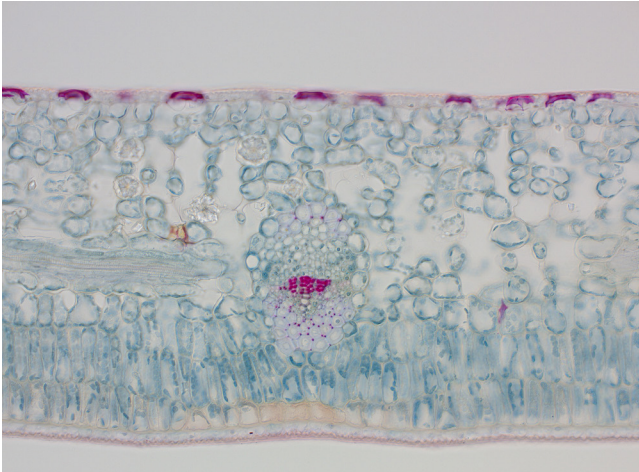
Retina in brightfield, mouse embryo, Azan staining. Acquired with ZEISS Axiolab 5, objective: Plan-Apochromat 40x/0.95 Corr

ZEISS Axiocam 212 color is your smart **12 megapixel color** microscope camera suitable for education, documentation and routine applications. This CMOS camera delivers crisp, detail rich live images with high color fidelity at **full 4k resolution in up to outstanding 30 fps**. Choose between modes of operation:

- In stand-alone mode, you don't need a PC to acquire microscope images. All necessary controls you reach via the on-screen display (OSD) of the microscope camera. The camera automatically adjusts brightness and white balance and offers live image enhancement functions like sharpening, denoising and HDR. Digital documentation of your specimen has never been easier.
- Alternatively, connect the CMOS camera via USB, Ethernet or wirelessly via Wi-Fi dongle to a computer and the imaging software Labscope or ZEN. Since you can connect multiple cameras to the network, Axiocam 212 color is the ideal solution for digital classroom applications and for connected laboratories, too.



Axiocam 212 color comes with a TWAIN driver that provides basic camera functionalities. It enables secure image data transfer to TWAIN-compatible 3rd party software solutions such as those often used in routine laboratories. If you combine Axiocam 212 color with Axiolab 5, Axioscope 5 or Axioscope 7 microscope stands you can experience the full concept of smart microscopy. The camera communicates with the microscope and e.g. extracts the correct scaling information.



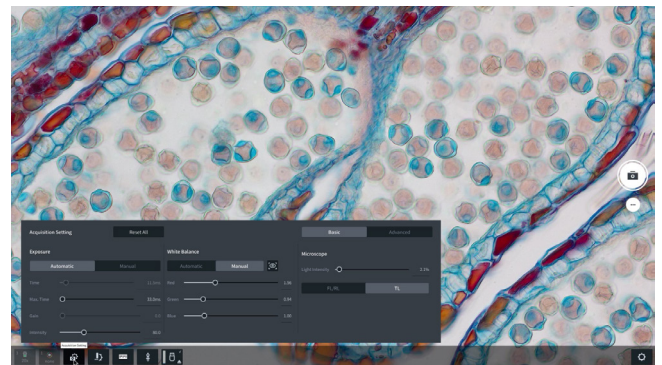
*Camellia leaf vascular bundle in brightfield, cross section.
Acquired with ZEISS Axiolab 5, objective: Plan-Apochromat 20x/0.8*

Highlights

- Full 4K resolution in up to outstanding 30 fps
- Live image enhancement functions like sharpening, denoising and HDR
- Use in stand-alone mode, review and save all images on USB flash drive or use the imaging software Labscope or ZEN
- Easy and effortless digital documentation – especially suitable for education, digital classroom and routine documentation in life sciences
- Connections via USB, Ethernet, Wi-fi and HDMI
- Wi-Fi compatible – use Labscope imaging software to control your camera wirelessly
- Stand-alone operation with camera control by intuitive on-screen display (OSD) via mouse and keyboard without a PC

You can operate Axiocam 212 color via the **on-screen display (OSD)** without any additional PC or software required:

- Simply move the mouse over the live image to open the live view menu of the OSD. If you stop to move the mouse, the OSD will close after approx. 5 seconds.
- You can acquire images and record videos as well as multichannel fluorescence images.
- The automatic exposure setting mode ensures a consistent brightness of the image by continuously calculating the correct exposure time based on the current light intensity.
- You can add measurements, markers or text annotations to an image in live view.

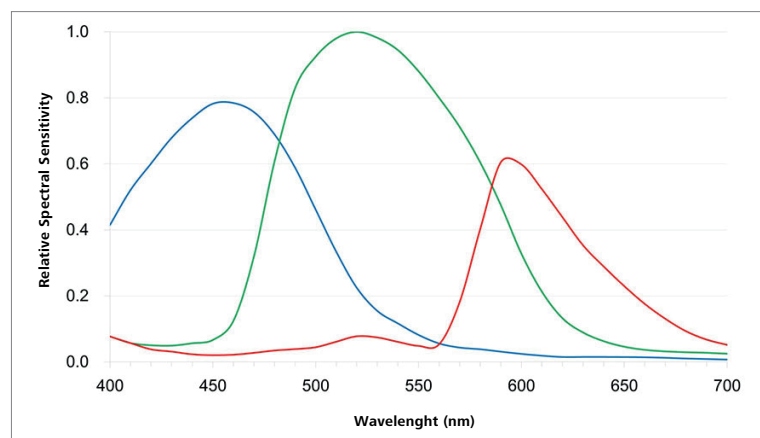


*Operate ZEISS Axiocam 212 color via the **on-screen display (OSD)** without any additional PC*

Technical Data and Conformity

Technical Data

Sensor type	CMOS sensor with rolling shutter		
Sensor size	Diagonal 9.3 mm (1/1.7"), Full Sensor Diagonal 8.2 mm (1/2.1"), Ultra HD and Full HD		
Pixel count	12.3 Megapixels: 4032 (H) × 3044 (V) 8.1 Megapixels: 3840 (H) × 2160 (V) 2.1 Megapixels: 1920 (H) × 1080 (V)		
Pixel size	1.85 µm × 1.85 µm (resolution 4032 × 3044 and 3840 × 2160) 3.70 µm × 3.70 µm (binned, resolution 1920 × 1080)		
Digitization	3 × 8 bit/pixel		
Exposure Time Range (Integration time)	0.1 ms – 1 s		
Gain	0x – 27x adjustable		
Frame rate	Maximum live frame rate at configuration: Full sensor (4032 × 3044) @ 4K (3840 × 2160) @ 1080p (1920 × 1080) HDMI: – HDMI: 30 fps HDMI: 30 fps Ethernet: – Ethernet: – fps Ethernet: 30 fps USB 3.0: 11 fps USB 3.0: 17 fps USB 3.0: 30 fps		
Cooling system	Passive cooling		
Spectral sensitivity	Approx. 400 nm – 700 nm, IR filter RGB Bayer color mask		
Interface	1x HDMI for monitor 1x USB 3.0 Type-C for flash drive, Wi-Fi adapter or PC connection 2x USB 2.0 Type-A for mouse and keyboard 1x RJ45 (Ethernet) for LAN connection 1x M8 for power and communication with dedicated stands		
Wi-Fi compatibility	Via Wi-Fi adapter and router		
Power supply	Via M8 interface		
Operating system	for ZEN Imaging Software: Windows 10 and 11 x64 and higher for Labscope: Windows 10 and 11 x64 and iOS v15 and higher, Android 12 and higher		
Software	On Screen Display (OSD) for stand-alone operation ZEN blue v3.11 and higher (includes ZEN lite/pro/system) ZEN core v3.11 and higher (includes ZEN starter/core) Labscope v4.3 (Win, iOS, and Android) and higher		
Image enhancement functions	Active denoising, active sharpening, auto white balance		
Automatic features	Automatic exposure and gain regulation at Ultra HD resolution (4K), fast live image under low light conditions		
Order number	426570-9901-000		



Spectral Sensitivity of Axiocam 212 color (incl. IR Filter)



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