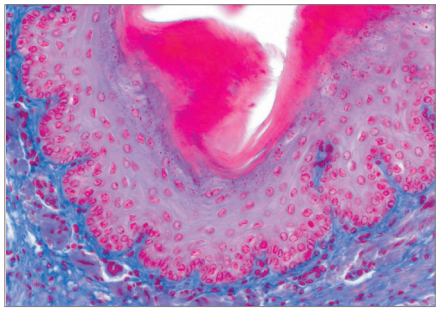
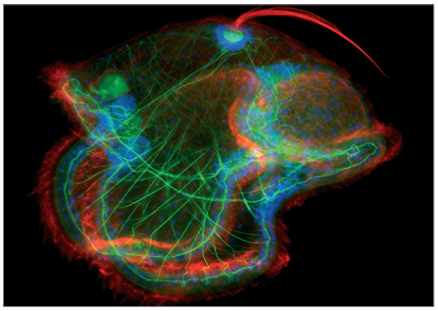
ZEISS Axio Imager 2

Your Upright Research Microscope for Advanced Imaging



Esophagus (guinea pig)



Pilidium larvae of the Nemertean ribbon worm, Cerebratulus lacteus. Courtesy of the Marine Biology Laboratory & Development journal

Axio Imager 2 combines everything you've ever asked for in your research environment: brilliant optics, bright fluorescence and various methods of transmitted light contrast. The contrast manager and light manager ensure defined conditions and reproducible results at all times. With your Axio Imager.Z2 you can use ACR to automatically detect and configure objectives and filter sets.

Choose your system out of six different stand versions. Whether you are simply observing and recording, or performing highly complex imaging experiments, it's easy to adapt the system components to the application at hand. The research microscope Axio Imager 2 resolves finest details of your samples - from tissue sections in pathology to brain specimens in neuroscience to multi-color FISH samples.

Highlights

- Encoding: read-out magnification, illumination and contrast settings, and automatic transfer to ZEN Imaging software
- Motorization for reproducible component settings and automated processes
- Excellent optics and homogeneous illumination in both transmitted light and fluorescence applications
- Research microscope with high performance focus for maximum precision and 24/7 operation
- Smart control concept for ergonomic working conditions and multi-user management for up to ten different users or working scenarios.
- Extend your Axio Imager 2 with high end fluorescence imaging systems, such as Apotome.2, LSM 800 and LSM 880

Ease of Use

Use your motorized Axio Imager 2 with equipment tailored precisely to your needs - and upgrade your system easily at any time.

The smart automated contrast settings let you work quickly and efficiently. The motorized aperture and luminous field diaphragm and light intensity are automatically adjusted. Achieve reproducible results and control all components via optional TFT monitor.

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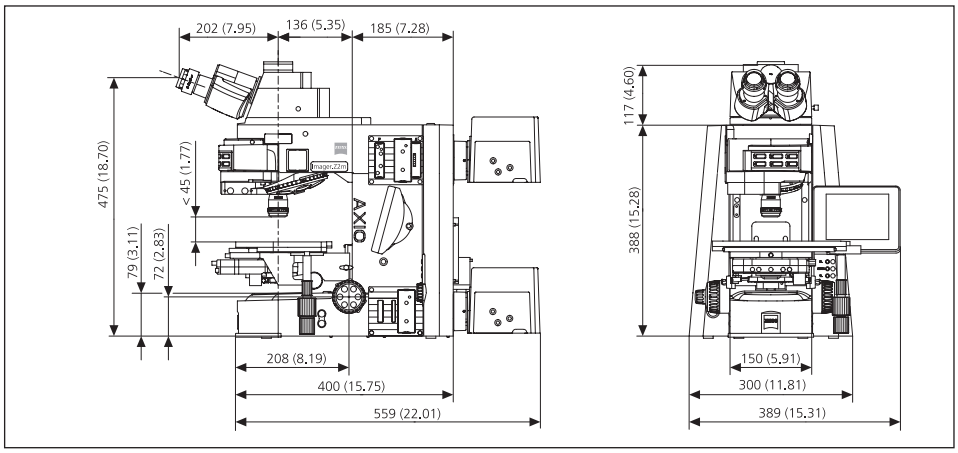

Stand	Standard Equipment	Optional Equipment	Applications
Axio Imager.A2 LED	LED – Fixed-Koehler illumination transmitted-light Light manager Encoded	Transmitted-light beam path with manual filter wheel Reflected-light beam path ApoTome.2 Encoded stage	Evaluation Fast routine work
Axio Imager.A2	Universal stand transmitted-light Light manager Encoded Neutral density filter wheel	Reflected-light beam path ApoTome.2 Encoded and 2-plate scanning stages	Observation Image acquisition and reporting Interactive measurements
Axio Imager.D2	Universal stand transmitted-light Encoded Partly motorizable: reflector turret	Reflected-light beam path Reflector turret 6x or 10x ApoTome.2 Encoded and 2-plate scanning stages	Evaluation Image acquisition and reporting Semiautomatic measurements
Axio Imager.M2p	LED – Fixed-Koehler illumination transmitted-light Convenience motorization: par-focality, condenser Encoded nosepiece Motorized z-drive with 25nm step size	Transmitted-light beam path with motorized luminous field stop Reflected-light beam path TFT ApoTome.2 LSM (entry level) 2- and 3-plate scanning stages	Evaluation Image acquisition and reporting Fast routine work
Axio Imager.M2	Universal stand transmitted-light Motorized: luminous field stop Light manager Contrast manager Motorized z-drive with 25nm step size	Reflected-light beam path ACR for objectives ApoTome.2 2- und 3-plate scanning stages 2 TV tube motorized	Automatic image acquisition & analysis 3D Imaging Medium sample throughput Multi-user environment
Axio Imager.Z2	High-performance stand trans-mitted-light Motorized: luminous field stop Light manager Contrast manager Motorized focus drive: - 10 nm step size - designed for loads up to max. 9 kg - designed for continuous operation	Reflected-light beam path ACR for objectives and filter cubes ApoTome.2 2- and 3-plate scanning stages LSM	Automatic image acquisiton & analysis Certified image acquisition and archiving (CFR 21 part 11) 3D Imaging DIC-Fluorescence Imaging Confocal Imaging High sample throughput Multi-user environment

Performance:

The motorized reflector turret accommodates either six or ten Push & Click filter modules. Auto-configure all motorized components with Smart Setup of the ZEN imaging software.

Acquire fluorescence images with an excellent signal-to-noise ratio. The fluorescence beam path and high efficiency fluorescence filter sets of this research microscope deliver exposure times that are up to 50 percent shorter.

Stand Versions:

- Axio Imager.A2 LED
- Axio Imager.A2
- Axio Imager.D2
- Axio Imager.M2p
- Axio Imager.M2
- Axio Imager.Z2

Suitable Applications:

- Cell biology
- Neuroscience
- Molecular genetics
- Pathology

Note: This product is primarily for research use. Only Axio Imager.M2p is for use in diagnostic procedures or patient management.

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