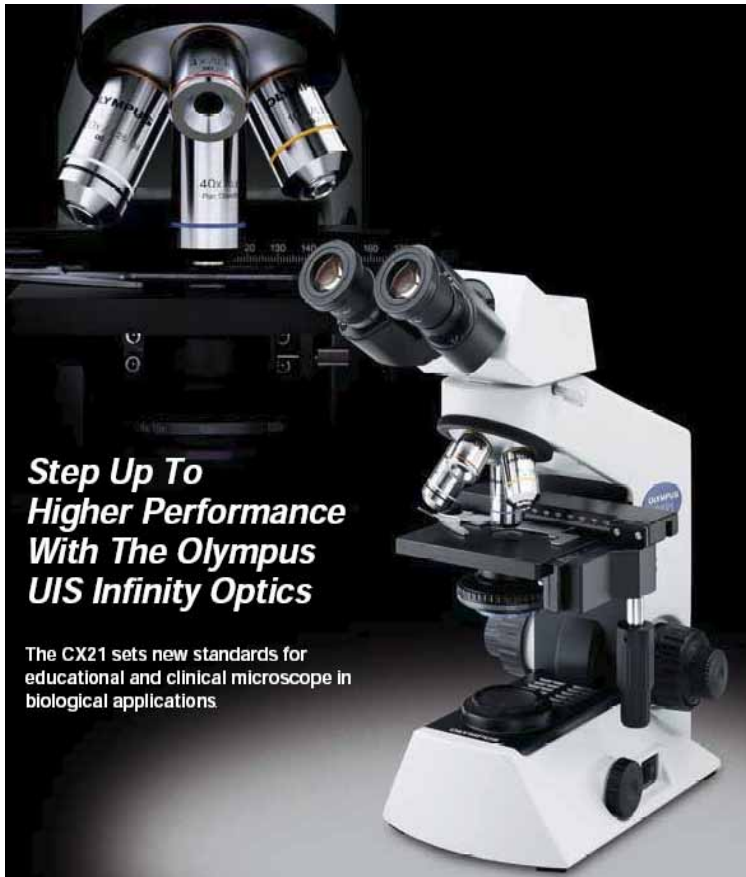




Biological microscope CX21

a new standard for schools & colleges



For the first time in an educational microscope, the new CX21 microscope incorporates the same advanced UIS optics as Olympus' top level microscopes. In addition, the infinity corrected Plan Achromat objectives give sharp high contrast images throughout the field of view.

The CX21 is an attractively priced choice for the educational market. While retaining the design and engineering quality expected from a major manufacturer.

Superior imaging

Plan objectives are packaged as standard, providing image flatness that is among the best in this class

The CX21 is equipped with the same UIS optical system used in Olympus' top-level microscopes. In addition, Plan Achromat objectives are included as standard for the first time in this class of microscope, providing sharp images with high contrast right up to the edge of the field of view.

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Easy, safe operation

Rackless stage for durability and ease of use

The wire-driven stage movement avoids any protrusion of racks — preventing the possibility of accidental damage or hand injury. Abrasion resistant rackless design ensures continuous smooth movement.



Component security - Student proof !

The eyepieces, objectives and condenser are all factory attached to the microscope body ensuring that no component is dropped or detached during transportation or regular use.



Ultra-smooth, quadruple revolving nosepiece

High-precision machining ensures smooth operation and durability. Nosepiece includes a rubber ring for an easy ergonomic grip.

Mechanical stage focus-lock prevents mishaps

The focus position can be locked making it easy to refocus when the specimen is changed. With the upper stage position locked, there is no chance of the objective accidentally touching the slide and damaging either the specimen or the objective itself.



Abbe condenser for optimized contrast

The optimal aperture stop position for each objective is clearly marked on the Abbe condenser, resulting in high-resolution, high-contrast images.





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CX21	Key Features
Observation Tube	30° degree inclined binocular tube with interpupillary distance adjustment from 48mm to 75mm, comes with fixed high eyepoint eyepieces / Rubber cups (FN 18);
Revolving Nosepiece	Quadruple revolving nosepiece with ergonomic grip;
Objectives	UIS C Plan Achromat objective: Set 1: 4x, 10, 40x; Set 2: 4x, 10x, 40x, 100x;
Stage	Fixed mechanical stage (120mm x 132mm); rackless design with travelling range 76mm x 30mm, including specimen holder;
Condenser	Abbe condenser NA 1,25 with numerical aperture labelled by objective magnification; including blue filter;
Illumination	Bright, uniform illumination by 6V20W halogen, optional mirror unit;
Contrast Methods	Brightfield and Darkfield;
Special Solutions	1.) Component security -> student proof with fixed eyepieces, objectives, and condenser 2.) Unique refocusing stopper for easy refocus 3.) Use adjustable tension of coaxial coarse focus 4.) "Anti fungus" treatment of all optics to ensure long durability

Specifications

Item	Specifications
Optical system	UIS (Universal Infinity System) optical system
Illumination System	Built-in transmitted illumination system 6V20W halogen bulb 100-240V 50/60Hz universal voltage
Focusing	Stage height movement (coarse movement stroke 20mm) Fine focus graduation: 2.5µm
Revolving nosepiece	Fixed quadruple nosepiece
Stage	Wire movement mechanical fixed stage: 120X132mm Traveling range: 76mm(X)X30mm(Y) Single specimen holder
Observation tube	30° inclined binocular tube Interpupillary distance adjustment range 48-75mm
Condenser	Abbe type with aperture iris diaphragm N.A.: 1.25
Objective lens	Plan Achromatic objectives (anti-fungus) 4X N.A.: 0.10 W.D.: 22.0mm 10X N.A.: 0.25 W.D.: 10.5mm 40X N.A.: 0.65 W.D.: 0.56mm 100X N.A.: 1.25 W.D.: 0.13mm (option)
Eyepiece (10X)	Field Number (F.N.): 18 (anti-fungus)
Optional accessories	Mirror unit, 15X eyepiece (F.N. 12, anti-fungus), cord rest, wooden storage box, filar micrometer, wire pointer, filter holder, darkfield stop

