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SFX/STEREO Series

Entry Level Stereomicroscopes For Students

MS-2 / STX / SFX-31 / SFX-32 / SFX-33 / SFX-34 / SFX-51 / SFX-52 / SFX-91 / SFX-91D / ST-30FX / ST-50Led

Designed For Simplicity & The Youngest Users

DESIGNED FOR NOVICE USERS
» Extremely reliable microscopes
» Particularly recommended for primary school
» Ideal for education, biology and material science

EDUCATIONAL STEREOMICROSCOPES
» Choose among monocular and binocular heads
» Generally, 20 mm field number
» Equipped with high performance LED illumination

Attention To Detail

HANDY, YET EXTREMELY STABLE
» Compact, practical and intuitive to use
» Optics ensuring good quality images
» Get impressive images and live videos with cameras

EASY TO TAKE CARE OF
» Sturdy, durable for extended lifetime
» No maintenance required
» Dust cover (included) protects from environmental contaminants

Suitable for Field Use

CORDLESS, EASILY TRANSPORTABLE
» Stable, yet compact and light weight
» Long-lasting, up to 8 hours from a single charge
» Fast recharging time

NO NEED FOR POWER CONNECTION
» Powered by rechargeable batteries (SFX models)
» Can be transported for being used on site
» Always ready to work

A New Frontier In Illumination Adjustment

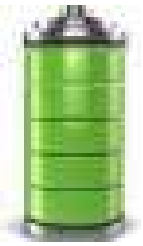
HIGH COMFORT TOUCH CONTROL
» Light intensity settable via a simple click
» 5 pre-set intensity levels
» On transmitted and incident light

FULFILL ALL THE LEARNING CHALLENGES
» Turnable objective with up to 3 magnifications
» Precision stand for accurate focusing
» 3 MP integrated digital camera (on SFX-91D)

SFX/STEREO Series

Greenough Optical System
The V-shape optical path of Greenough allows us to design a very compact and a slim unit, highly versatile and appreciated for the 3D viewing. Vertical heads or 45° inclined to grant comfortable posture to the user even after several hours of operation.

Incorporating the Most Wanted Features in a Student Microscope
These instruments are the best way to enter the world of magnified 3D vision of objects such as insects, rocks, plants, and many other samples. The binocular head ensures a comfortable view. Optional eyepieces and objectives allow to increase even further the maximum magnification.



LED with Rechargeable Batteries - Optimized Illumination
Money & energy saving thanks to LED long lifetime (50.000 hours, 20 years in case of 8 hours/day) which is more than 20 times compared to a standard halogen bulb. **All the SFX Series** has internal rechargeable batteries for up to 8 hours (at medium intensity) of outdoor use.

360° Rotating heads
SFX-51 and **SFX-52** have a 360° rotating head, for the most comfortable teaching experience. The head, through rotation, can be shared among different users or adjusted to the user position.

LWD - Long Working Distance
ST-50Led has a special objective with long working distance that allows you to inspect bulky samples, thanks also to its overhanging arm stand and LED flexible incident light.

Entry Level Stereomicroscopes For Students

Legend

1. Transport handle, SFX-91.
2. Fly eyes, with SFX-91D and 4x objective.
3. Mineral rock, with ST-30FX and 4x objective.
4. Mineral rock, with SFX-51 and 4x objective.
5. Transmitted and incident light setting, in recharging mode, SFX-52.
6. Coin, with SFX-91 and 4x objective.

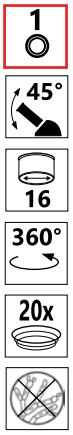
SFX/STEREO Series - **Overview**

OPTIKA SFX/STEREO Series includes a wide selection of stereomicroscopes designed to satisfy every need in both teaching and amateur fields. Slim and easy to carry solutions, it is equipped with all you need to start learning to use a scientific instrument: 20 mm field of view, up to 40x maximum magnification, several options concerning illumination (including rechargeable batteries), objectives, and stands.

Observation mode:
Brightfield.
Heads:
Binocular heads (except for monocular MS-2 model).
45° inclined (except for STX: vertical head).
SFX-51, SFX-52 and MS-2:
360° rotating heads.
Interpupillary distance:
Adjustable (for binocular heads).
Dioptric adjustment:
ST-30FX and ST-50Led: On the left eyepiece.
All SFX models: on both eyepieces.
MS-2 and STX: without dioptric adjustment.
Eyepieces:
MS-2 and STX: WF 10x/16 mm.
All other models: WF 10x/20 mm.
Objective:
Achromatic different magnifications available with an anti-fungus treatment.
Stand:
SFX-31, SFX-32, MS-2, ST-30FX and STX:
Pillar stand with focus.
SFX-33, SFX-34, SFX-51 and SFX-52:
Fixed stand with focus and handle.
SFX-91 and SFX-91D:
Precision fixed stand with focus and handle.
ST-50Led:
Overhanging stand with focus.
Illumination:
SFX-31 and SFX-32: Incident: 1W LED, transmitted: 1W LED, dial brightness control, rechargeable batteries.
SFX-33, SFX-34, SFX-51, SFX-52, SFX-91 and SFX-91D:
Incident: 1W LED, transmitted: 1W LED, touch brightness control, rechargeable batteries.
MS-2:
Without illumination.
STX:
Incident: 0.1W LED, powered by 2 AA batteries (not included).
ST-30FX:
Incident: 1W LED, transmitted: 1W LED.
ST-50Led:
Incident: 1W LED on flexible arm.

SFX/STEREO Series - Range

MS-2



Entry-level monocular stereomicroscope with fixed objective (2x) that can be combined to external illuminators, in case some light is required.

STX

Binocular stereomicroscope equipped with fixed objective (2x) and **LED incident illumination**, combining **bright and uniform illumination** with low consumption. Powered by **AA batteries (not included).**

SFX-31

Binocular stereomicroscope equipped with **turnable objective** (2x-4x), pillar stand, and **incredibly bright and uniform illumination** (transmitted and incident) **with rechargeable batteries**.

SFX-32

Binocular stereomicroscope equipped with **turnable objective** (1x-3x), pillar stand, and **incredibly bright and uniform illumination** (transmitted and incident) with **rechargeable batteries**.

SFX/STEREO Series - Range

SFX-33

Binocular stereomicroscope equipped with **turnable objective** (2x-4x), fixed arm with handle, and **incredibly bright and uniform illumination** (transmitted and incident), settable through the **exclusive touch control**. Powered by **rechargeable batteries**.

SFX-34

Binocular stereomicroscope equipped with **turnable objective** (1x-3x), fixed arm with handle, and **incredibly bright and uniform illumination** (transmitted and incident), settable through the **exclusive touch control**. Powered by **rechargeable batteries**.

SFX-51

Binocular stereomicroscope equipped with **turnable objective** (2x-4x), **360° rotating head**, fixed arm with handle, and **incredibly bright and uniform illumination** (transmitted and incident), settable through the **exclusive touch control**. Powered by **rechargeable batteries**.

SFX-52

Binocular stereomicroscope equipped with **turnable objective** (1x-3x), **360° rotating head**, fixed arm with handle, and **incredibly bright and uniform illumination** (transmitted and incident), settable through the **exclusive touch control**. Powered by **rechargeable batteries**.

SFX/STEREO Series - Range

SFX-91

Binocular stereomicroscope equipped with **turnable objective with 3 magnifications** (1x-2x-4x), precision fixed arm with handle, and **incredibly bright and uniform illumination** (transmitted and incident), settable through the **exclusive touch control**.
Powered by **rechargeable batteries**.

SFX-91D

Digital binocular stereomicroscope equipped with **turnable objective with 3 magnifications** (1x-2x-4x), precision fixed arm with handle, and **incredibly bright and uniform illumination** (transmitted and incident), settable through the **exclusive touch control**.
Powered by **rechargeable batteries**.

ST-30FX

Binocular stereomicroscope equipped with **turnable objective** (2x-4x), pillar stand, and **incredibly bright and uniform illumination** (transmitted and incident).

ST-50Led

Binocular stereomicroscope equipped with fixed objective (2x), **swiveling LED incident illumination on an overhanging, flexible arm**. Ideal for **long working distance** (119 mm with standard 2x objective, 165 mm with ST-025, 124 mm with ST-026).

SFX/STEREO Series - Comparison chart

Model	Head	Eyepieces	Objective	Working Distance	Stand	Illumination
MS-2	Monocular, 45° inclined, 360° rotating	WF 10x/16	2x fixed	57 mm	Pillar with focus	Without illumination
STX	Binocular, vertical, fixed	WF 10x/16	2x fixed	67 mm	Pillar with focus	Incident: 0.1 W LED Powered by 2 AA batteries (not included)
SFX-31	Binocular, 45° inclined, fixed	WF 10x/20	2x – 4x selectable	57 mm	Pillar with focus	Incident: 1 W LED Transmitted: 1 W LED Dial brightness control Rechargeable batteries
SFX-32	Binocular, 45° inclined, fixed	WF 10x/20	1x – 3x selectable	57 mm	Pillar with focus	Incident: 1 W LED Transmitted: 1 W LED Dial brightness control Rechargeable batteries
SFX-33	Binocular, 45° inclined, fixed	WF 10x/20	2x – 4x selectable	57 mm	Fixed with focus and handle	Incident: 1 W LED Transmitted: 1 W LED Touch brightness control Rechargeable batteries
SFX-34	Binocular, 45° inclined, fixed	WF 10x/20	1x – 3x selectable	57 mm	Fixed with focus and handle	Incident: 1 W LED Transmitted: 1 W LED Touch brightness control Rechargeable batteries
SFX-51	Binocular, 45° inclined, 360° rotating	WF 10x/20	2x – 4x selectable	76 mm	Fixed with focus and handle	Incident: 1 W LED Transmitted: 1 W LED Touch brightness control Rechargeable batteries
SFX-52	Binocular, 45° inclined, 360° rotating	WF 10x/20	1x – 3x selectable	76 mm	Fixed with focus and handle	Incident: 1 W LED Transmitted: 1 W LED Touch brightness control Rechargeable batteries
SFX-91	Binocular, 45° inclined, fixed	WF 10x/20	1x – 2x – 4x selectable	60 mm	Precision fixed with focus and handle	Incident: 1 W LED Transmitted: 1 W LED Touch brightness control Rechargeable batteries
SFX-91D	Binocular, 45° inclined, 3 MP integrated camera	WF 10x/20	1x – 2x – 4x selectable	60 mm	Precision fixed with focus and handle	Incident: 1 W LED Transmitted: 1 W LED Touch brightness control Rechargeable batteries
ST-30FX	Binocular, 45° inclined, fixed	WF 10x/20	2x – 4x selectable	57 mm	Pillar with focus	Incident: 1 W LED Transmitted: 1 W LED
ST-50Led	Binocular, 45° inclined, fixed	WF 10x/20	2x fixed	119 mm	Overhanging with focus	Incident: 1 W LED on flexible arm

SFX/STEREO Series - Accessories

ACCESSORIES FOR STX AND MS-2

DC-001	Plastic dust cover, small.
ST-015	Glass stage, 60 mm diameter.
M-005	Micrometer slide for software calibration, 1mm/10um, 10mm/100um.
15104	Cleaning kit.

ACCESSORIES FOR OTHER MODELS OF SFX SERIES

ST-001	Eyepieces (pair) WF 5x/22 mm.
ST-002	Eyepieces (pair) WF 10x/20 mm.
ST-003	Eyepieces (pair) WF 15x/15 mm.
ST-004	Eyepieces (pair) WF 20x/13 mm.
ST-005	Eyepiece micrometer WF 10x/20 mm, 10 mm/100 um.
ST-025	1x Objective (ST-50Led).
ST-026	3.5x Objective (ST-50Led).
ST-041	Sample clip.
ST-032	Eyecups (pair).
ST-011	White/black object-plate, diameter 60 mm.
ST-012	White/black object-plate, diameter 95 mm (for ST-30FX).
ST-014	Glass stage, diameter 95 mm (for ST-30FX).
ST-015	Glass stage, diameter 60 mm.
DC-001	Plastic dust cover, small (for all, except ST-50Led).
DC-002	Plastic dust cover, medium (for ST-50Led).
M-005	Micrometer slide for software calibration, 1mm/10um, 10mm/100um.
15104	Cleaning kit.

15104 - Cleaning kit

It cleans glass quickly and effectively, without leaving residue or odor.
Ideal for precision lens or prism cleaning.

ST-041 - Sample clip

How to connect the cameras to our microscopes.
Please refer to the Adapter reference list on Digital section.

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