



Specifications

- Optical system:** Infinite corrected optical system
- Body frame:** Aluminum die-cast metal frame with protective plastic coating
- Viewing head:** Seidentopf binocular head with 30° inclined Ø 30 mm eyetubes, interpupillary distance is adjustable between 48 and 75mm, 360° rotatable and secured with a screw, equipped with a ±5 diopter adjustment on the left tube
Locking pin holds the viewing tube in place
- Eyepiece:** A pair of WF10x/22mm eyepiece
Eyepoint adjustment range of 370-433 mm
- Nosepiece:** Fixed quadruple tip with inward inclination
- Objectives:** All with anti-fungus treatment.
Infinite plan achromatic objective 4x/0.10, WD: 28mm
Infinite plan achromatic objective 10x/0.25, WD: 10mm
Infinite plan achromatic objective 40x/0.65, WD: 0.7mm, spring loaded
Infinite plan achromatic objective 100x/1.25, WD: 0.18mm, spring loaded, oil
- Stage:** Double layer mechanical stage 180 x 145mm with mechanical 77 x 52 mm X-Y translation stage
- Focusing:** Coaxial coarse and fine adjustments with 200 graduations. Precision 2.5 µm per graduation, total travel approximately 24mm, coarse adjustment limiter, torque adjustment for coarse adjustment knob to sample and objectives. The coarse adjustment is equipped with friction control
- Condenser:** Abbe condenser N.A. 1.25 with iris diaphragm and filter holder
- Illumination:** Integrated Kohler type LED illumination for long life, lifespan not less than 65,000 hours, brightness adjustable
- Power:** Power supply with integrated 100-240 V, 50/60Hz
- Others:** Dust cover, filter, slim and easy to carry, built-in security slot for anti-theft cable attachment, user manual and immersion oil
- Product Dimension:** 390x205x240mm

Optional Accessories

Cat. Number	Descriptions
EXECU1002	Seidentopf binocular models have 30° inclined tubes, interpupillary distance is adjustable between 48 and 75mm, equipped with a ±5 diopter adjustment on the left tube
EXECU1002	Seidentopf trinocular models have 30° inclined tubes, interpupillary distance is adjustable between 48 and 75mm, equipped with a ±5 diopter adjustment on the left tube, with a fixed light path beamsplitter 50:50
EXECU1003	WF10x/22mm eyepiece
EXECU1004	WF10x/22mm in/ocular eyepiece
EXECU1005	WF15x/16mm eyepiece
EXECU1006	WF20x/12mm eyepiece
EXECU1007	Quadruple nosepiece
EXECU005	quintuple nosepiece
EXECU1008	Infinite achromatic objective 4x/0.10
EXECU1009	Infinite achromatic objective 10x/0.25
EXECU1010	Infinite achromatic objective 20x/0.40
EXECU1011	Infinite achromatic objective 40x/0.65, spring loaded
EXECU1012	Infinite achromatic objective 60x/0.85, spring loaded
EXECU1013	Infinite achromatic objective 100x/1.25, spring loaded, oil
EXECU1000	Infinity plan darkfield objective 100x with iris diaphragm for oil dark field condenser
EXECU1014	Infinite semi-plan achromatic objective 4x/0.10
EXECU1015	Infinite semi-plan achromatic objective 10x/0.25
EXECU1016	Infinite semi-plan achromatic objective 20x/0.40
EXECU1017	Infinite semi-plan achromatic objective 40x/0.65, spring loaded
EXECU1018	Infinite semi-plan achromatic objective 60x/0.85, spring loaded
EXECU1019	Infinite semi-plan achromatic objective 100x/1.25 spring loaded, oil
EXECU1020	Infinite plan achromatic objective 4x/0.10
EXECU1021	Infinite plan achromatic objective 10x/0.25
EXECU1022	Infinite plan achromatic objective 20x/0.40
EXECU1023	Infinite plan achromatic objective 40x/0.65, spring loaded
EXECU1024	Infinite plan achromatic objective 60x/0.85, spring loaded
EXECU1025	Infinite plan achromatic objective 100x/1.25, spring loaded, oil
EXECU0FC0	Dark field condenser (dry)

Cat. Number	Descriptions
EXECU0FC0	Dark field condenser (oil)
MFLEDA2	"FG" LED Epi-fluorescent Attachment, supplied with 3W Epi-fluorescent illumination device including 4 channels (3 channels for fluorescent cubes and 1-channel for brightfield observation) and a UV protection shield; Digital screen shows light intensity 0-100%; Instant on-off, no need waiting of pre-heating or cooling, remember light intensity of each color light source; Light source synchronous switching with filter groups. Equipped with 2 fluorescent filter set for Blue & Green Filters
MFLEDA3	"FG" LED Epi-fluorescent Attachment, supplied with 3W Epi-fluorescent illumination device including 4 channels (3 channels for fluorescent cubes and 1-channel for brightfield observation) and a UV protection shield; Digital screen shows light intensity 0-100%; Instant on-off, no need waiting of pre-heating or cooling, remember light intensity of each color light source; Light source synchronous switching with filter groups. Equipped with 3 fluorescent filter set for Blue, Green & UV Filters
MFLEDBLF	Blue Filter: Long-pass EX:475/30nm, DM:500nm, EM:510nmLP
MFLEDBRF	Blue Filter: Band-pass EX:475/30nm, DM:525nm, EM:530/40nm
MFLEDYB	Royal blue filter: Long-pass EX:450/40nm, DM:500nm, EM:510nmLP
MFLEDGLF	Green filter: Long-pass EX:530/40nm, DM:570nm, EM:575nmLP
MFLEDGBF	Green filter: Band-pass EX:530/40nm, DM:565nm, EM:605/55nm
MFLEDYLF	Yellow filter: Long-pass EX:560/40nm, DM:600nm, EM:610nmLP
MFLEDVLF	Violet filter: Long-pass EX:400/40nm, DM:430nm, EM:430nmLP
MFLEDULF	UV filter: Long-pass EX:355/50nm, DM:410nm, EM:420nmLP
MFLEDURF	UV filter: Band-pass EX:375/30nm, DM:415nm, EM:460/50nm
MFLEDRBF	Red filter: Band-pass EX:620/50nm, DM:655nm, EM:692/45nm
EXECU1039	Green filter for transmitted light
EXECU1040	3W LED replacement unit
EXECU1041	Köhler attachment
EXECU1047	0.4x C-Mount projection lens
EXECU1048	1x C-Mount projection lens
EXECU1049	Heating stage (stage warmer), stage size: 152mm x 134mm, Preset Temp. Control Range: 15° C to 55° C. Actual Stage Temp: 20° to 52° C. Temp. Setting Increments: +/- 0.1° C. Temp. Display Divisions: Temp. Display Divisions. Input: 110V/220V (back panel switch); Output: 50W
EXECU1051	Aluminum case
DETEC05A	Digital eyepiece TECO 5A, 5.1MP, USB port
DECK07SA	Digital camera KOTI-SA, 5.1MP, CMOS USB3.0
DP1X9SL2	Digital tablet DX1, 9.5" LCD display, 2MP, CMOS, 3 x USB2.0 ports, 1 x HDMI port, with image process software
DP105L8	Digital tablet DPI-Pro, 10.5 tablet with touch screen, BMP, CMOS, 4K, with 2 x USB3.0 ports, 1 x USB2.0 port, 1 x HDMI port, 1 x Gigabit Lan port, 2.4GHz/5GHz dual-band WiFi, support WiFi, support blue tooth, with image process software
***	More digital cameras are available and optional, please refer to the brochure of ICOE digital cameras