

## IE6000FL Infinite Inverted Fluorescent Microscope with 4 Fluorescent Filters with HX4K-8A Digital Camera, with 21 inch Monitor



### Specifications

- Optical system: Infinity corrected optical system
- Viewing head: Trinocular head inclined at 45°, interpupillary distance 48-76mm, 360° rotation, Light distribution (both): 100:0 (100% for eyepiece), 80:20 (80% for trinocular head, and 20% for eyepiece)
- Nosepiece: 5 positions, with bidirectional rotation on ball bearings and click stop
- Eyepiece: Wide field eyepiece WF10×/22mm, diopter adjustable
- Objectives:
  - LWD (Long working distance) Infinite Plan Objective 4×/0.11, WD 12.1mm
  - LWD (Long working distance) Infinite Plan Achromatic Objective 10×/0.25, WD10.3mm
  - LWD (Long working Distance) Infinite Plan Phase Contrast Objective 20×/0.4, WD: 5.8mm
  - LWD (Long working distance) Infinite Plan Phase Contrast Objective 40×/0.6, WD3.4mm
  - LWD Infinity Plan Fluor Objectives L Plan Fluor 40x / 0.65, WD: 3.9mm
- Stage:
  - Stage size: X×Y 210×241mm, round slide size: φ110mm, attached mechanical stage (available for 96 holes plate, moving range XY: 128×80mm), with various insert plate holders
  - the insert plate holders are compatible with the following vessels - Microscope and slide slides Hemocytometers
  - 6-, 12-, 24-, 48-, 96- and 384-well microplates
  - 35, 50, 60 and 100 mm petri dishes
  - T25, T75 and T175 flasks
- Focusing: Coaxial coarse and fine adjustment, vertical objective movement, coarse stroke 37.7mm per rotation, fine stroke 0.2mm per rotation
- Condenser: 4-hole rotating disc phase contrast condenser N.A.0.4, W.D.45mm, It can be up-down adjusting
- Telescope: Centering Telescope (∅30mm)
- Phase plate: 10x-20x, 40x Phase Annulus Plate (Fixed)
- Illumination: 5W LED lamp, input voltage: 100V ~ 240V, intensity adjustable, the lifespan is not less than 50,000 hours
- Other: 100% light for Photography Port (Adaptor for CANON or NIKON SLR Digital Photography Camera)
- Supplied with: Dust cover, spare fuse, Diameter 45mm, Blue & Green filter
- Power: 110v or 220V, 50/60Hz
- Fluorescent kit:
  - Epi fluorescence unit for 4 fluorescent excitation cubes, field diaphragm, center adjustable. 5W LED Light Source
  - Blue excitation cube, excitation: BP460-490, dichroic mirror: DM500, barrier filter: BA520
  - Green excitation cube, excitation: BP510-550, dichroic mirror: DM570, barrier filter: BA590
  - DAPI Excitation cube, excitation: BP360-390, dichroic mirror: DM415nm, EM435-485nm
  - Violet Excitation cube, excitation: BP400-410, dichroic mirror: DM455nm, barrier filter: EM455LP
  - Exposure: Automatic and manual, with target brightness settings available; Exposure time 0-999MS
  - White Balance: Auto and Manual and ROI Mode
  - Parameter settings Contrast, saturation, brightness, sharpness, noise reduction, etc.
- C mount: 0.5x C mount adapter for digital camera
- Digital camera:
  - HX4K-8A digital camera, IMX678(C)1/1.8"(7.68x4.32) 8MP, 4K, CMOS, with DHMI, USB, WiFi SD card function/interface
  - exposure times up to 0.019ms to 1000ms, FPS/Resolution: 72fps (3,840x2,160 pixels)
  - pixel dimensions: 1.85x 1.85μm
  - Digital output through: HDMI, Ethernet, Built-in with WiFi function, USB mouse, USB 3.0 wireless nano USB Adapter power cord
  - Standalone operation without PC
  - USB 3.0 interface for direct photography or video recording on USB memory without PC connection
  - On-screen display directly on a monitor, capturing and sharing images and videos directly through a monitor without the need
  - Image management software with measurement tools
- Monitor: 21-inch LCD display monitor