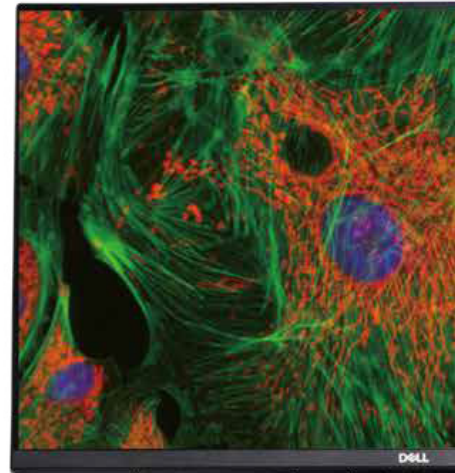
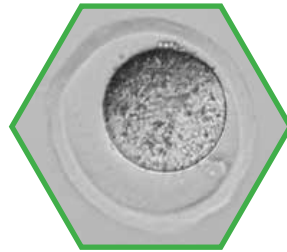
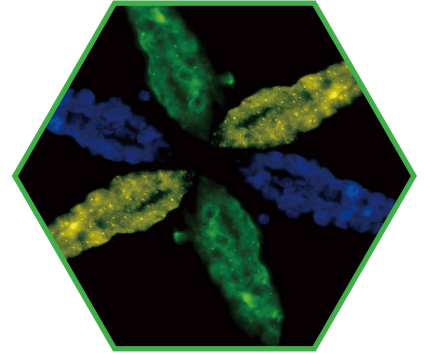
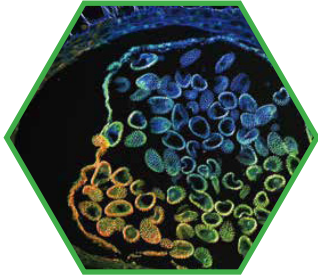




IRB70 Inverted Biological Motorized Microscope



IRB70 Microscope Features

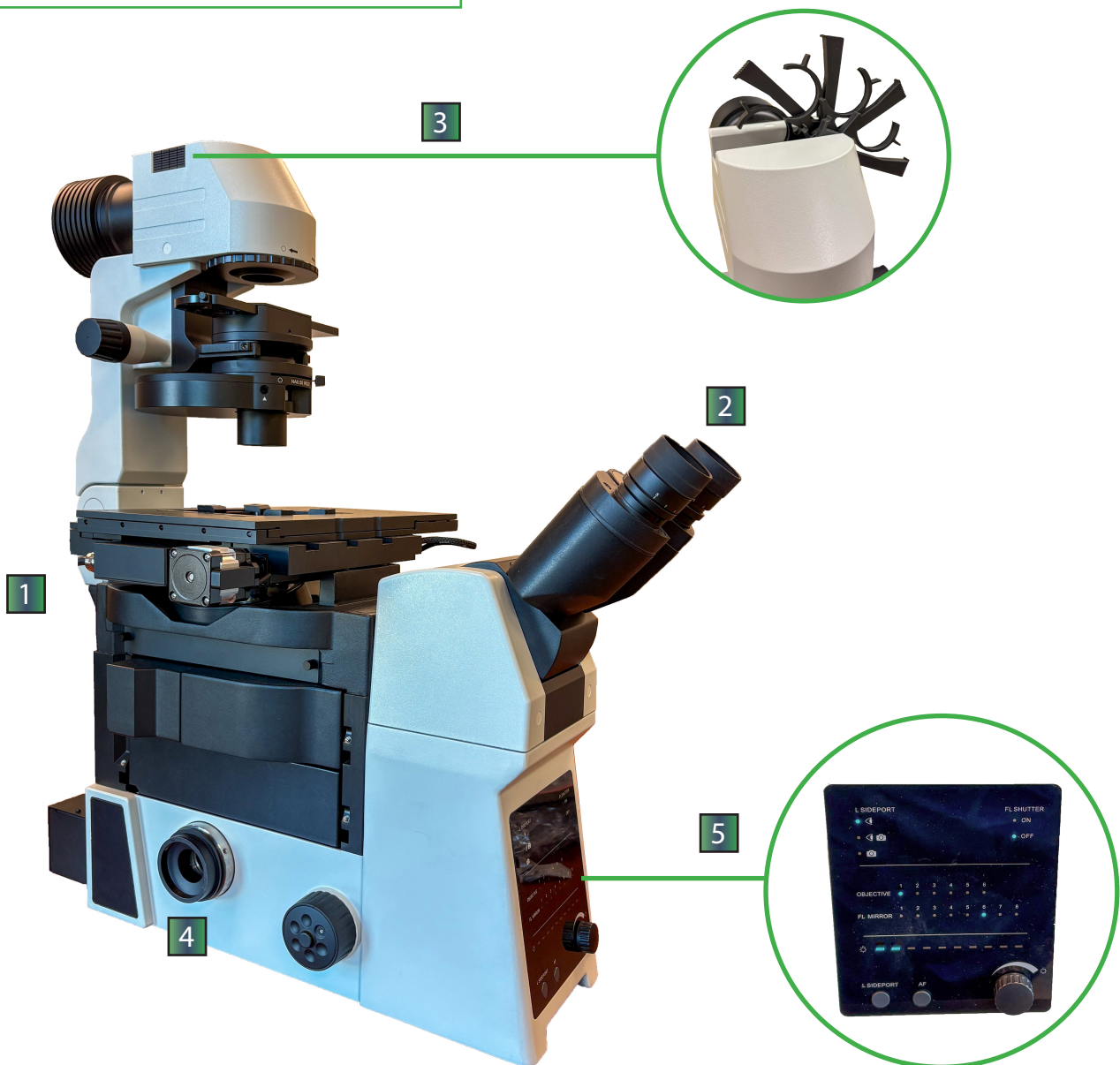
1 Motorized X, Y, and Z drives.

2 20~45° ergonomic tilting head with high eyepoint widefield plan eyepieces PL10x/22mm. Eyepieces accept 26mm diameter reticle. Interpupillary distance adjustable 50~76mm.

3 LED Koehler light with four filter holders built into illuminator.

4 Side camera port.

5 Control panel for motorized beam splitter optical path selection and light intensity. Quickly view which objective or fluorescence filter cube is in use.



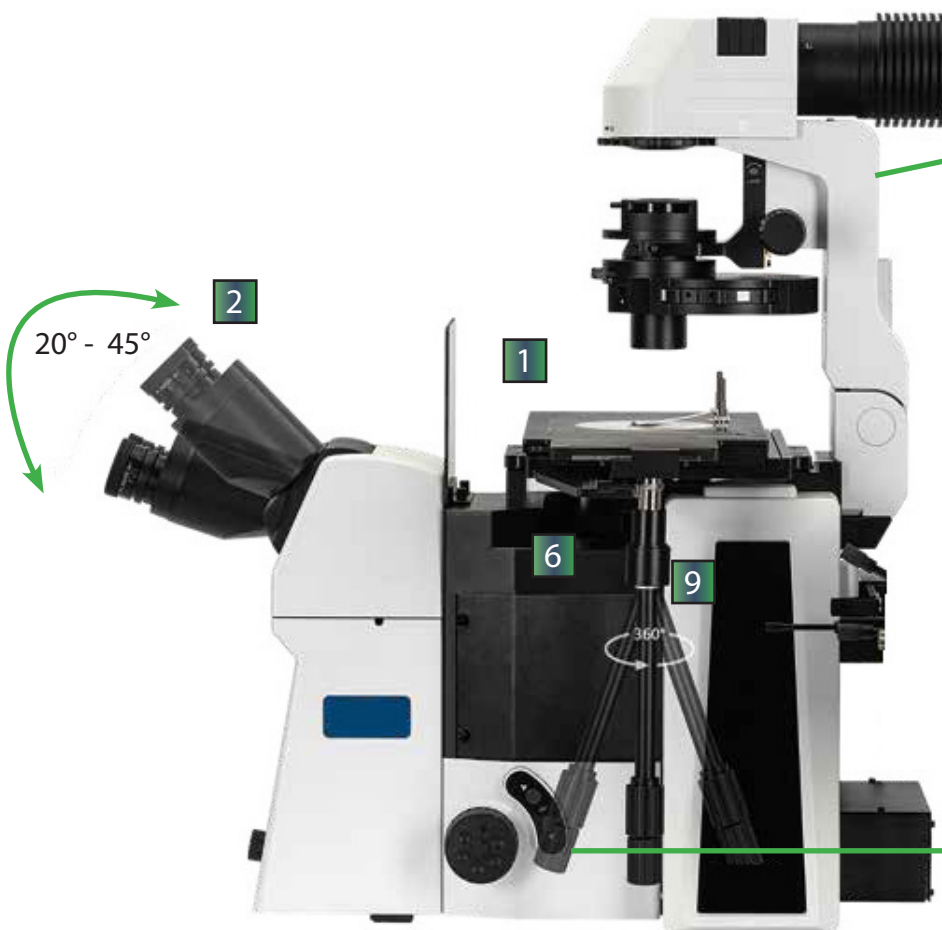
IRB70 Microscope Features

6 Liquid waste drainage groove designed under objective nosepiece to protect optical components from spills.

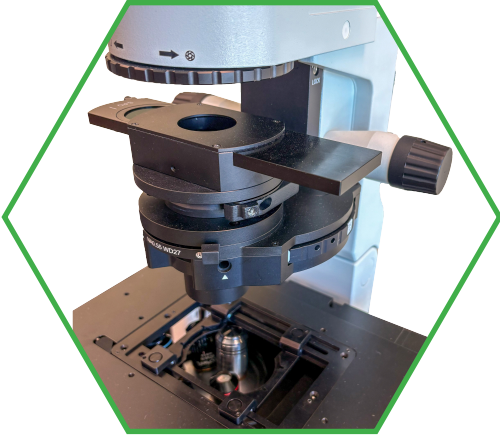
7 Transmitted light arm tilts 30° providing a large working space and ensuring ease of replacing samples.

8 Motorized sextuple nosepiece is controlled by the press of a button to change magnification.

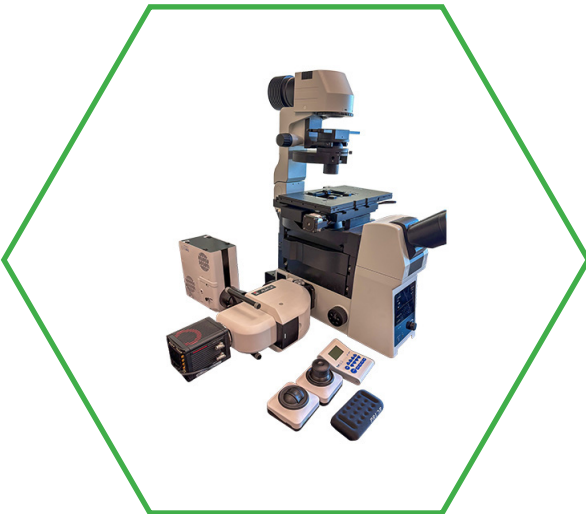
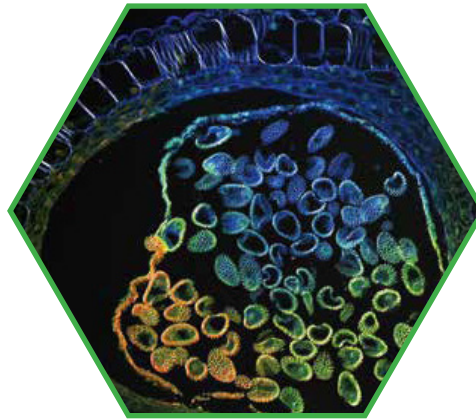
9 Ergonomic low position platform hand wheel can be rotated 360° reducing hand fatigue caused from long term operation (applicable for mechanical non-motorized stage model only.)



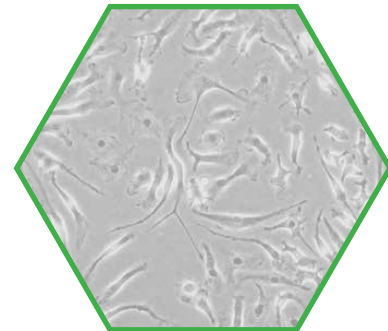
IRB70 Microscope Features



Brightfield
Phase Contrast
Fluorescence
DIC



Add the Aurox Clarity
to the IRB70 for a Laser-
Free Spinning Disk
Confocal Microscope



LWD Plan Semi Apo Objectives

- LWD Plan Semi APO 2x Objective, NA 0.08, WD 5.55mm
- LWD Plan Semi APO 4x Objective, NA 0.13, WD 17mm
- LWD Plan Semi APO 10x Objective, NA 0.30, WD 8.8mm
- LWD Plan Semi APO 20x Objective, NA 0.45, WD 6.5 - 7.6mm
- LWD Plan Semi APO 40x Objective, NA 0.60, WD 2.85 - 4.05mm
- LWD Plan Semi APO 60x Objective, NA 0.70, WD 1.43 - 2.10mm



LWD Plan Semi Apo Phase Contrast Objectives

- LWD Plan Semi APO Phase 4x Objective, NA 0.13, WD 17mm
- LWD Plan Semi APO Phase 10x Objective, NA 0.30, WD 8.8mm
- LWD Plan Semi APO Phase 20x Objective, NA 0.45, WD 6.5 - 7.6mm
- LWD Plan Semi APO Phase 40x Objective, NA 0.60, WD 2.85 - 4.05mm
- LWD Plan Semi APO Phase 60x Objective, NA 0.70, WD 1.43 - 2.10mm

Infinity Corrected Plan APO Objectives

- Infinity corrected plan APO 2X objective, NA 0.08, WD 6.20mm
- Infinity corrected plan APO 4X objective, NA 0.16, WD 12.8mm
- Infinity corrected plan APO 10X objective, NA 0.40, WD 3.20mm
- Infinity corrected plan APO 20X objective, NA 0.75, WD 0.60mm
- Infinity corrected plan APO 40X objective, NA 0.95, WD 0.15mm
- Infinity corrected plan APO 60X objective, NA 0.90, WD 0.26mm
- Infinity corrected plan APO 60X objective, Oil, NA 1.25, WD 0.14mm
- Infinity corrected plan APO 100X objective, Oil, NA 1.35, WD



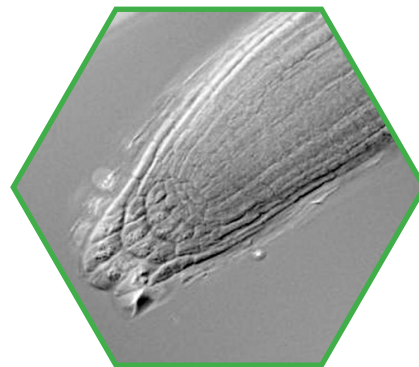
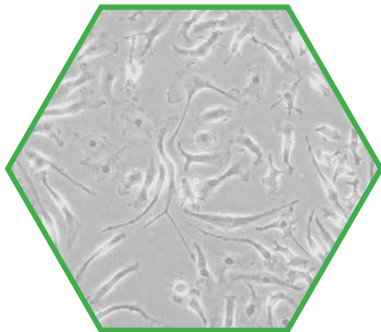
Infinity Corrected Plan Super-APO Objectives

- Infinity corrected plan super APO 10x objective, NA 0.4, WD 3.1mm
- Infinity corrected plan super APO 20x objective, NA 0.80, WD 0.6mm
- Infinity corrected plan super APO 40x objective, NA 0.95, WD 0.18mm
- Infinity corrected plan super APO 60x objective, Oil, NA 1.42, WD 0.17mm

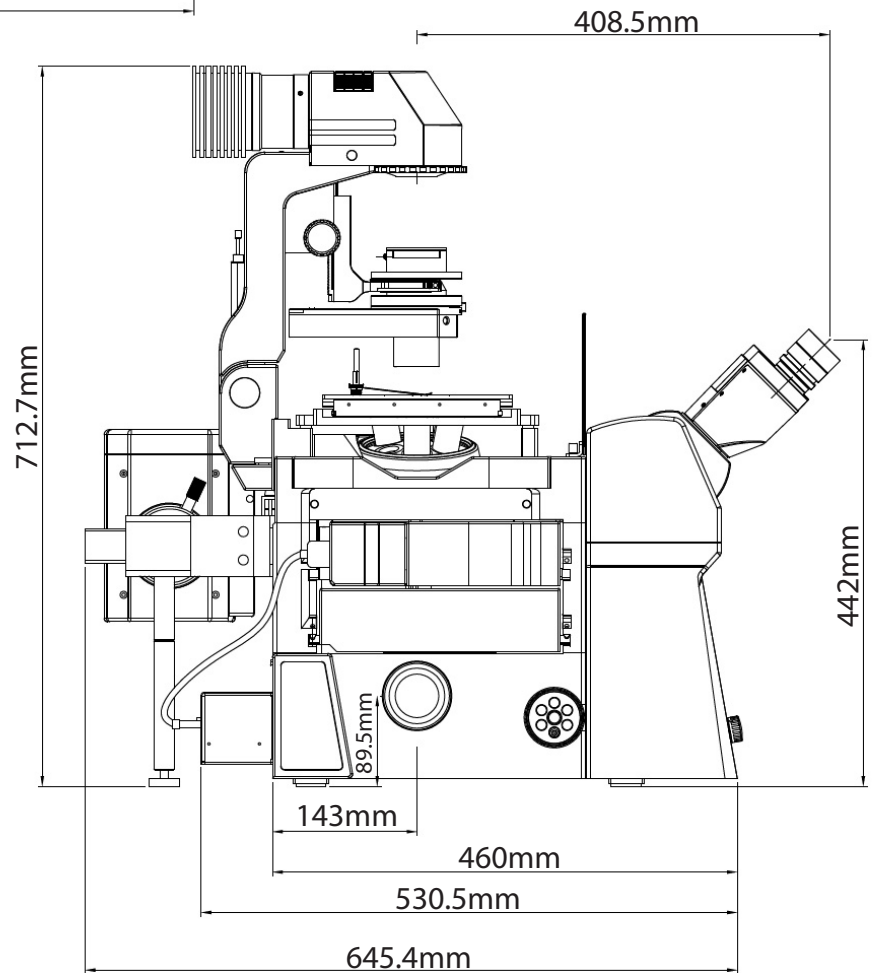
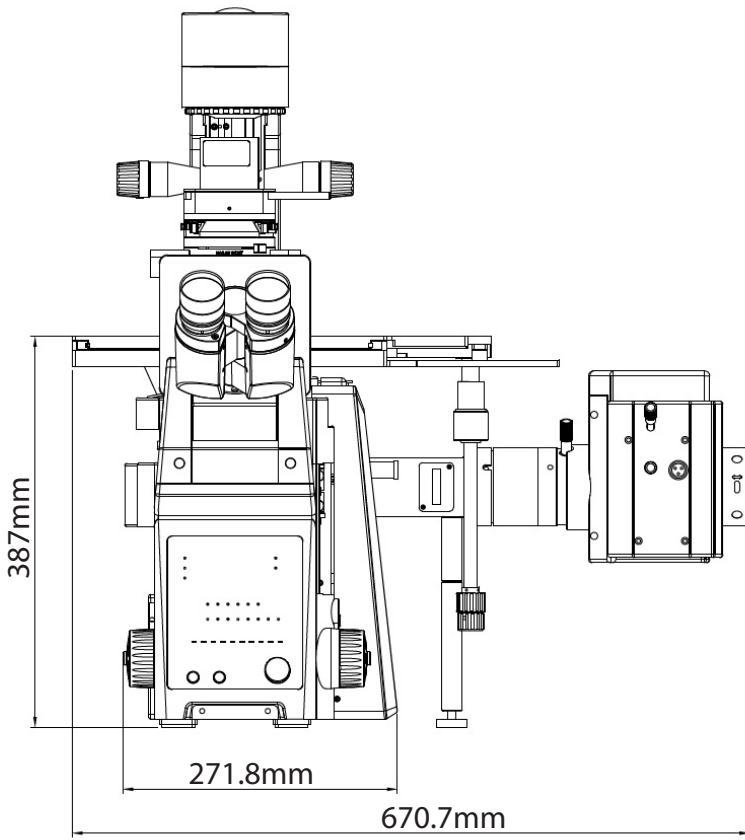


IRB70 Microscope Specifications

Optical System	Infinity Color Corrected Optical System
Viewing Head	20° to 45° tilting trinocular head, inverted image, interpupillary distance: 50-76mm, beam split ratio: 100:0, 50:50, or 0:100.
Eyepieces	High eye point widefield plan eyepiece PL10x/22mm, with adjustable diopter. Accepts 26mm diameter reticle.
Objective Lenses	LWD Plan Semi APO Objectives: 2x, 4x, 10x, 20x, 40x, 60x, 100x.
	LWD Plan Semi APO Phase Contrast Objectives: 4x, 10x, 20x, 40x, 60x
	Infinity Corrected Plan APO Objectives: 2x, 4x, 10x, 20x, 40x, 60x, 60x oil, 100x oil
	Infinity Corrected Plan Super APO Objectives: 10x, 20x, 40x, 60x oil
Nosepiece	Motorized, revolving sextuple nosepiece with DIC slot.
Focus Adjustment	Low position coarse and fine coaxial focus mechanism with 10.5mm range
Body	Power supply 100~240V wide voltage system.
Stage	Prior motorized OptiScan mechanical stage with XY travel 115mm x 77mm. Includes OptiScan controller, XY & Z joysticks, focus drive, and specimen holder.
Illumination	LED Koehler tilting transmission light column with tiltable bracket, tilting range 65mm. Four filter holders are built into illuminator.
	Fluorescent illuminator can be added.
Condenser	Manual septuple condenser, NA 0.55, WD = 27mm with slot for phase slider, DIC
C-Mount Adapters	0.5x, 0.65x, 1x c-mount adapter.



IRB70 Microscope Dimensions



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www.feinoptic.com