

# Microscopes

## Levenhuk 700

Monocular, binocular, and trinocular microscopes for laboratory research



monocular, binocular, trinocular

2000x

maximum magnification

Digital

5.1Mpx digital camera

Levenhuk 700 series includes high-quality microscopes with up to 2000x magnification power. The series consists of monocular, binocular, trinocular, and digital models equipped with achromatic objective lenses, Abbe condenser, and iris diaphragm. Observed samples are illuminated by a bright LED light with adjustable brightness: in transmitted light you can observe any transparent microscope samples. The research method used is bright field. The microscopes also allow the use of the oil immersion technique. The Levenhuk D740T digital microscope model is supplied with a 5Mpx digital camera. The Levenhuk 700 line is designed for medical, general clinical and laboratory research.

- Professional laboratory microscopes
- Wide range of available magnifications: from 40x to 2000x
- High-quality achromatic lenses
- Revolving nosepiece with 4 objective lenses
- Sharp images across the entire field of view
- Rotating monocular head inclined at 45°
- Coarse and fine focusing
- Two-axes stage
- Lower LED illumination with adjustable brightness
- Abbe condenser with iris diaphragm and filters
- Durable and lightweight aluminum body



The kit includes:

- microscope, 4 objective lenses (including 100xs oil immersion lens), 2 eyepieces, filters (blue, yellow, green), immersion oil, dust cover, AC adapter, spare fuse, Allen key, user manual
- + digital camera, camera adapter, USB-cable, software (with D740T model)



**700M**  
#69655

**M** 2000x

Levenhuk 700M Monocular Microscope – biological metal-bodied microscope designed for studying transparent samples in transmitted light. This microscope can be used for studying and hobby; it will help in conducting medical and clinical research and can be applied in bacterioscopy and cystoscopy. Levenhuk 700M Microscope will take its rightful place in a home laboratory or educational or medical institution.



**720B**  
#69656

**B** 2000x

Levenhuk 720B Microscope – binocular microscope, optimal model for laboratory, clinical, and medical research. This instrument will be appreciated by those who carry out serious scientific research and work with transparent microscope samples. Levenhuk 720B Microscope is also recommended for home use. Its capabilities will be useful for school and hobby. The microscope is equipped with a convenient binocular head. Observing with both eyes is much better for your vision. Lengthy observations no longer cause discomfort and fatigue. The head is 45° inclined and rotates around its axis.



**740T**  
#69657

**T** 2000x

Levenhuk 740T Microscope – trinocular microscope, which enables you to carry out classic biological studies and employ modern technology in your observations. The microscope allows for observations in the bright field mode. It also allows using the oil immersion method. Trinocular head allows you to install any digital camera adapted to the 23.2mm eyepiece tube. Rotating trinocular head is especially convenient for group work, when you need to let a wide audience access the observed samples.



**D740T**  
#69658

**T** 2000x **Digital**

Levenhuk D740T digital microscope is designed for both visual observations through the microscope eyepiece and for data transmission to a PC monitor. The microscope comes with a modern 5Mpx camera that you install in the eyepiece tube to transmit images to a PC monitor in real time. The kit includes everything you will need to start working. The digital camera comes with an installation CD that contains the necessary software and drivers. LevenhukLite software allows you to edit received images: change their sizes, adjust brightness and contrast, crop and so on.

	700M	720B	740T	D740T
Microscope type	biological	biological	biological	digital
Head type	monocular	binocular	trinocular	trinocular
Head			rotatable 360°, inclined 45°	
Optics material			optical glass	
Magnification			40-2000x	
Eyepiece tube diameter			23.2mm	
Eyepieces			WF10x/18mm, WFH20x	
Objectives			achromatic: 4x, 10x, 40xs, 100xs (oil immersion)	
Revolving nosepiece			4 objectives	
Stage		140x130mm, double layer mechanical stage with coordinate scale and clips		
Stage moving range, using focusing mechanism			vertically: 24mm, horizontally: 75mm	
Condenser			Abbe N.A. 1.25	
Diaphragm			iris	
Focus			coaxial; coarse: 22mm, fine: 0.002mm	
Illumination			LED, adjustable brightness	
Power supply			110V/50Hz	
Digital camera in the kit	-	-	-	yes
Package weight	11.2lb (5.1kg)	12.4lb (5.6kg)	12.5lb (5.7kg)	13.2lb (6.0kg)
Package size			19.3×15.7×10.6in (49.0×40.0×27.0cm)	

### The Levenhuk D740T model's digital camera

Megapixels	5.1
Maximum resolution, px	2592x1944
Sensor	1/2.5" CMOS
Pixel size, µm	2.2x2.2
Sensitivity, v/lux.sec@550 nm	0.53
Video recording	yes
Image format	image: *.bmp, *.jpg, *.jpeg, *.png, *.tif, *.tiff, *.gif, *.psd, *.ico, *.emf, *.wmf, etc. video: *.wmv, *.h264, *.avi, etc.
Spectral range, nm	380-650
Method of exposure	ERS (Electronic Rolling Shutter)
White balance	auto/manual
Exposure control	auto/manual
Software	USB 2.0 driver, LevenhukLite software
Programmable options	image size, brightness, exposure control
Camera slot	USB 2.0, 480Mb/s
System requirements	Windows XP/Vista/7/8/10 (32 and 64bit), processor up to 2.8GHz Intel Core 2 or higher, USB 2.0 port, compatible with Mac OS and Linux
Camera power supply	via USB cable