System 374

System 374 Trinocular Microscopes

LX Microscopes by UNITRON's System 374 is the newest addition to our industry renowned, ergonomic microscope family. The ergonomic features of the System 374 are ideal for prolonged use and offer added flexibility for multiple operator usage. Distortion free viewing through a high quality, 24mm optics system provides a 4X-25X magnification range when used with a 0.5X Reducing lens or an 8X-50X magnification range when used with a 1.0X Objective lens. Easy to adjust, tilting binocular eyetubes can be inclined from 0 to 30° and the eyetubes can be rotated 180° to increase the height by an additional 3 inches. System 374 models allow operators to simultaneously view images on screen and through the eyepieces improving productivity. Select models include our full featured, *Excelis*™ HD 6MP Camera.

A Solution for Every Application

LX Microscopes by UNITRON feature high-quality achromatic lenses with anti-reflective coatings for superior visual clarity. A choice of light sources and mounting options enable the product set-up best suited for each individual application. Digital imaging systems are configurable to allow capturing of images to catalog or share inspection results and observations, for archiving or communicating electronically. The end result is increased productivity with an easy-to-use product line.

TECHNICAL DESCRIPTION

OPTICS: WF10X/24mm eyepieces

Zoom Ratio: 6.3:1

Zoom Range and Magnification: 8X to 50X w/1.0X Objective lens, 4X to 25X w/0.5X Reducing lens

Work Distance: 78mm with 1.0X Objective lens, 186mm with 0.5X Reducing lens

Ergonomics: Eyetubes tilt 0 to 30° and rotate 180° allowing for a 3 inch increase in height

Construction: Polymer/Metal body (2 part)

MOUNTING OPTIONS

LX Microscopes by UNITRON's System 374 trinocular models are available with the Ball Bearing Boom Stand with base or Plain Focusing Stand

5 Year Warranty - please refer to our website for details.

LIGHTING OPTIONS

System 374 models are available with the High Output Dimmable LED ring light model 18743. Models are also available pre-configured as lighting ready allowing for use of additional lighting options.

DIGITAL OPTIONS

Excelis™ HD 6MP Camera, view and capture images with or without a PC. Perform measurements on live HD images. Simultaneously view live image through the eyepieces and output to an HD monitor directly or to a PC via USB2.0 using *CaptaVision* software (monitor and PC not included.) Video adapter, HDMI and USB 2.0 cables, 12V Power adapter, 8GB SD Card, USB Mouse and CaptaVision PC Imaging Software are included. Models are also available in camera ready configuration allowing for use of additional video options.

Design, features and specifications are subject to change without notice

EXCELLENCE BY DESIGN UNITRON

SYSTEM 374

SYSTEM 374 CONFIGURATIONS

Part number	Microscope	Description
24820BB-TRT5	System 374BBTRT With 0.5X LENS	S-Z 24mm Ergo Trinocular, BB Stand, (0.5X lens included)
24825BB-HDTRT5	System 374BBTRT-DMLED-HOHD With 0.5X LENS	S-Z 24mm Ergo Trinocular, BB Stand, (0.5X lens included), Dimmable LED-High Output Ring Light, Excelis HD Camera, Video Adapter
24820-TRT	System 374PFSTRT With 1.0X LENS	S-Z 24mm Ergo Trinocular, Plain stand, (1.0X lens included)
24825-HDTRT	System 374PFSTRT-DMLED-HOHD With 1.0X LENS	S-Z 24mm Ergo Trinocular, Plain stand, (1.0X lens included), Dimmable LED-High Output Ring Light, Excelis HD Camera, Video Adapter

BALL BEARING BOOM STANDS

P/N 24820BB-TRT5

P/N 24825BB-HDTRT5

PLAIN FOCUSING STANDS

P/N 24820-TRT

P/N 24825-HDTRT

SYSTEM 374 BINOCULAR OPTICAL SPECIFICATIONS

		Objective	
Eyepieces		**1.0X**	**0.5X**
10X	Total Magnification (Range)	8X – 50X	4X – 25X
	Field of View Diameter (mm)	30 – 4.8	60 – 9.6
	Working Distance (mm)	78	186

ISO 9001 • 14001 CE RoHS

SYSTEM 374 TRINOCULAR OPTICAL SPECIFICATIONS

	Magnification*				
Accessory Lens	**Magnification With Zoom @ 0.8**	**FOV (mm) With Zoom @ 0.8**	**Magnification With Zoom @ 5**	**FOV (mm) With Zoom @ 5**	**Working Distance (mm)**
1.0X	23.1X	22.7	148.4X	3.6	78
0.5X	11.5X	45.4	74.2X	7.3	186

**1/2.8" CMOS HD camera with 22" monitor and 0.5X video adapter*