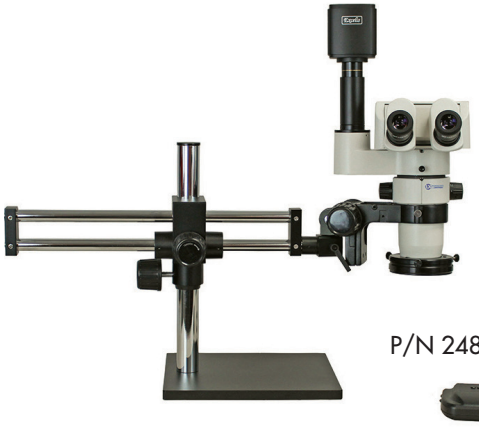
System 374 Trinocular Microscopes

Ergonomic Trinocular Microscopes for Comfort, Training, Documentation and Productivity

LX Microscopes by UNITRON's System 374 expands our industry-renowned, ergonomic microscope families. 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 field of view and 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.



P/N 24825BB-HDTRT5



P/N 24825-HDTRT

TECHNICAL DESCRIPTION

OPTICS:
WF10X/eyepieces, 24mm field of view.

MAGNIFICATION:
8X - 50X and 78mm or working distance with 1.0X objective lens,
4X - 25X and 186mm of working distance with 0.5X reducing lens.

LENSES:
High-quality achromatic lenses with anti-reflective coatings.

ERGONOMICS:
Eyetubes tilt 0 to 30° and rotate 180° allowing for a 3-inch increase in height. 360° head rotation in its focus mount.

ZOOM:
0.8X – 5.0X zoom range controlled by dual graduated knobs.
Click-Stop positions located on both sides of the head.
6.3:1 zoom ratio.

CONSTRUCTION:
Polymer/Metal body (2 part).

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

LIGHTING:
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:
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 USB 2.0 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.

5-YEAR WARRANTY. Visit our website for full details.

Additional lighting options sold separately.

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 OPTICAL DATA

		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

SYSTEM 374 TRINOCULAR OPTICAL DATA

1/2.8″ CMOS HD Camera with 22″ Monitor and 0.5X Video Adapter

Accessory Lens	Magnification with zoom setting @ 0.8	FOV (mm) with zoom @ 0.8	Magnification with zoom setting @ 5	FOV (mm) with zoom @ 5	Working Distance (mm)
1.0X	24.6X	22.7	154X	3.6	78
0.5X	12.3X	45.4	77X	7.3	186
1/1.2″ CMOS 4K Ultra HD Camera with 24″ Monitor and 0.7X Video Adapter					
1.0X	16.1X	37.8	100.8X	6.0	78
0.5X	8.1X	75.6	50.4X	12.1	186

PRODUCT TABLE

Part number	Microscope	Description
24820-TRT	System 374PFSTRT with 1.0X LENS	S-Z 24mm Ergo Trinocular, Plain stand, (1X lens included)
24820BB-TRT5	System 374BBTRT with 0.5X LENS	S-Z 24mm Ergo Trinocular, BB Stand, (0.5X lens included)
24825-HDTRT	System 374PFSTRT-DMLED-HOHD with 1.0X LENS	S-Z 24mm Ergo Trinocular, Plain stand, (1X lens included), Dimmable LED-High Output Ring Light, Excelis HD Camera, Video Adapter
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