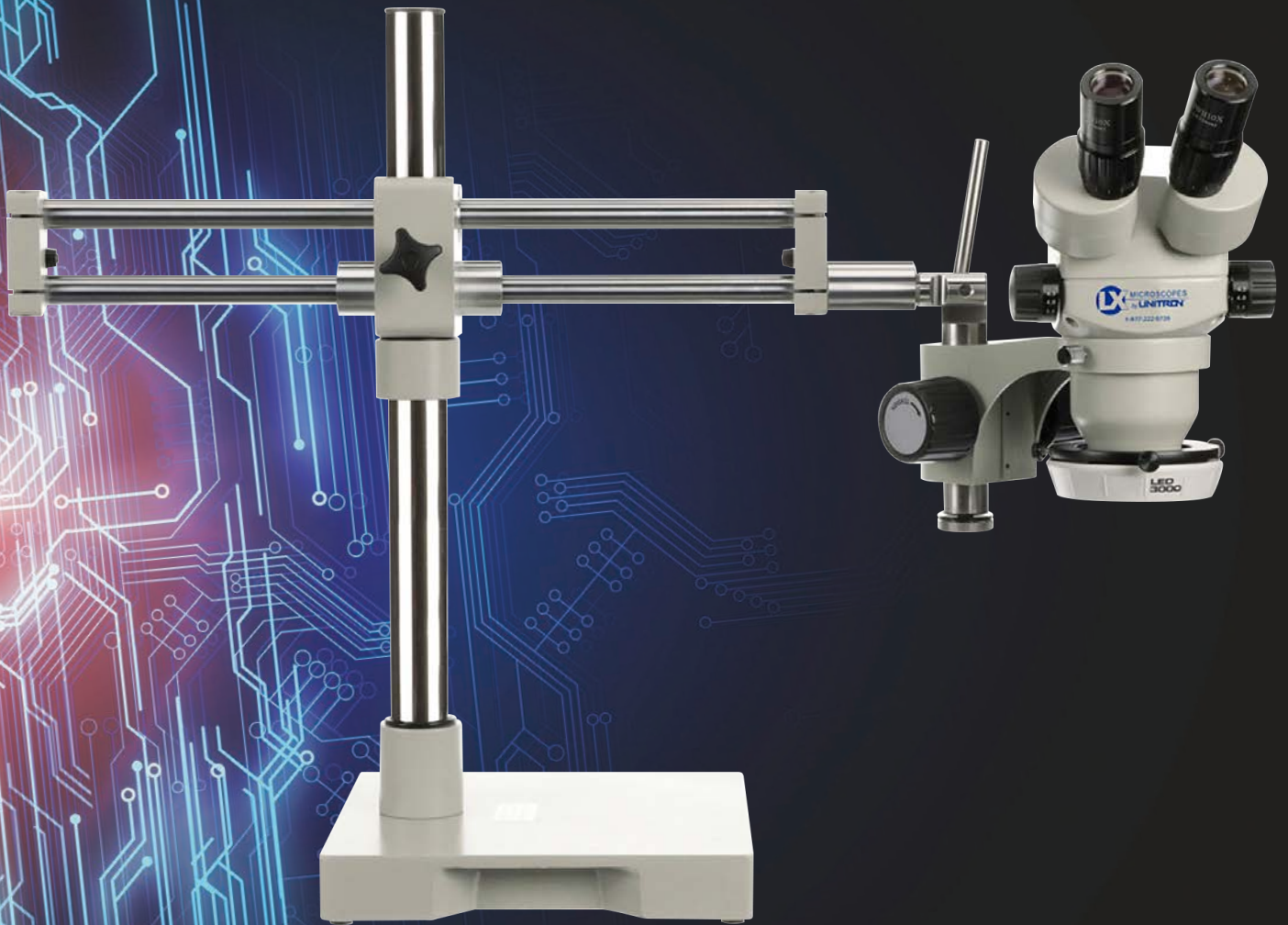




LX Microscope Product Lines

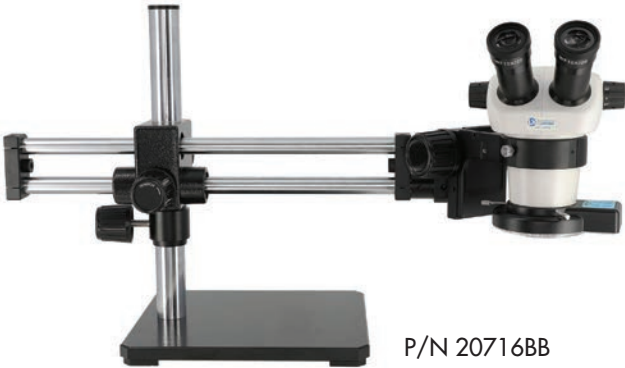
For assembly, repair, and inspection in industrial and electronic applications



System 230 Binocular Microscopes

Full-Featured Economical Microscopes for Light-Duty Applications

LX Microscopes by UNITRON's System 230 is a full-featured binocular microscope system with a sealed polymer body. It is the perfect solution for economically-budgeted production applications. Designed and intended for lighter duty usage in assembly, rework, and limited inspection processes. Featuring a 20mm field of view, it fits many applications where higher magnification isn't required.



P/N 20716BB



P/N 20714



P/N 20784

TECHNICAL DESCRIPTION

OPTICS:

20mm field of view, 10X widefield eyepieces with individual diopter adjustment and eyeshields. 97mm working distance (with included 1.0X lens), 180mm (over 7") when used with an optional 0.5X reducing lens.

MAGNIFICATION:

Standard 7X – 30X magnification range.

LENSES:

High-quality achromatic lenses with anti-reflective coatings.

ERGONOMICS:

Standard 45° viewing angle.

ZOOM:

0.7X – 3X zoom range (4.3:1 zoom ratio) controlled by dual graduated knobs located on both sides of the head.

CONSTRUCTION:

Sealed Polymer body.

MOUNTING:

Dual boom ball bearing stand with 15" vertical post and 22.5" horizontal (11.1" x 10.25" base), Single boom stand with 20" vertical post and 22" horizontal (15" x 10" base), Non-Illuminated plain stand with 12.5" vertical track and 3.9" focus travel.

Additional lighting options sold separately.

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

BALL BEARING BOOM STANDS



P/N 20714BB



P/N 20780BB



P/N 20716BB



P/N 20717BB

SINGLE BOOM STANDS



P/N 20714



P/N 20780



P/N 20716



P/N 20717

NON-ILLUMINATED PLAIN STANDS



P/N 20783



P/N 20784

SYSTEM 230 OPTICAL DATA

Eyepieces		Objective		
		1.0X (included)	0.5X	0.75X
10X	Total Magnification (Range)	7X - 30X	3.5X - 15X	5.25X - 22.5X
	Field of View Diameter (mm)	25.7 - 6	51.4 - 12	34.3 - 8
	Working Distance (mm)	97	180	120

PRODUCT TABLE

Part number	Microscope	Description
20714*	System 230	S-Z 20mm Binocular, Single Boom
20716*	System 230-LEDQRL	S-Z 20mm Binocular, Single Boom, Quadrant LED Light
20717*	System 230-LEDECO	S-Z 20mm Binocular, Single Boom, LED-ECO Ring Light
20780*	System 230-LED3000	S-Z 20mm Binocular, Single Boom, LED-3000 Ring Light
20714BB*	System 230BB	S-Z 20mm Binocular, BB Stand
20716BB*	System 230BB-LEDQRL	S-Z 20mm Binocular, BB Stand, Quadrant LED Ring Light
20717BB*	System 230BB-LEDECO	S-Z 20mm Binocular, BB Stand, LED-ECO Ring Light
20780BB*	System 230BB-LED3000	S-Z 20mm Binocular, BB Stand, LED-3000 Ring Light
20783	System 230PFS-LEDECO	S-Z 20mm Binocular, Non-Illuminated Plain Stand, LED-ECO Ring Light
20784	System 230PFS	S-Z 20mm Binocular, Non-Illuminated Plain Stand
20736	-	0.75X Reducing Lens (For System 230 models only)
20750	-	0.5X Reducing Lens (For System 230 models only)

*Available as **72 Hour QUICK SHIP**

System 273 Binocular Microscopes

UNITRON's best-selling LX Microscope product family

Binocular Stereo-Zoom Microscope with 23mm field of view and dual boom roller-bearing stand offers superior convenience and uncompromising optical quality. A 22" stainless steel horizontal boom extension and 17.5" vertical post are mounted to a 10"x10" die-cast base. Roller-Bearing design allows fluid horizontal extension of the boom stand. Extensive flexibility and adjustability allow this microscope to alter angles up to 45°; the head can be rotated 360° in its focus mount. System 273 microscopes offer nearly 8" working distance (when used with an optional 0.5X reducing lens) and 15% greater field of view than comparable LX Microscopes by UNITRON System 250 models. Microscope magnification range of 7X to 45X. System 273 ESD-Safe Binocular Microscopes are designed for inspection and assembly applications in static-sensitive environments. The body and stand are treated with a metal-laced powder coat that measures $10^5 \Omega/\text{sq.}$ (static dissipative).



TECHNICAL DESCRIPTION

OPTICS:

23mm field of view, 10X super widefield eyepieces and eyeshields. Nearly 8" of working distance when used with an optional 0.5X reducing lens.

MAGNIFICATION:

Standard 7X – 45X magnification range. 3.5X – 22.5X magnification and 195mm working distance when used with an optional 0.5X reducing lens.

LENSES:

High-quality achromatic lenses with anti-reflective coatings.

ERGONOMICS:

Alter angles up to 45°. 360° head rotation in its focus mount.

ZOOM:

0.7X – 4.5X zoom range controlled by dual graduated knobs with click-stop positions located on both sides of the head.

CONSTRUCTION:

Heavy-duty cast aluminum housing with powder-coated finish. For ESD-Safe models, body and stand are treated with an ESD-Safe metal-laced powder coat that measures $10^5 \Omega/\text{sq.}$ (static dissipative).

MOUNTING:

Dual boom roller-bearing stand with 17.5" vertical and 22" horizontal reach (10" x 10" base), Non-Illuminated Stand with 11" vertical post or 34" Articulating Arm with Vertical Extension.

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

Additional lighting options sold separately.

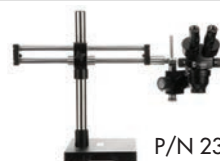
DUAL BOOM ROLLER-BEARING STANDS



P/N 23711RB



P/N 23714RB



P/N 23714RB-ESD



P/N 23726RB-ESD



P/N 23727RB



P/N 23728RB



P/N 23780RB

ARTICULATING ARMS



P/N 23714AC

NON-ILLUMINATED PLAIN STANDS



P/N 23784

SYSTEM 273 OPTICAL DATA

Eyepieces		Objective			
		1.0X (included)	0.5X	0.7X	2.0X
10X	Total Magnification (Range)	7X – 45X	3.5X – 22.5X	4.9X – 31.5X	14X – 90X
	Field of View Diameter (mm)	32.8 – 5.1	65.7 – 10.2	46.9 – 7.3	16.4 – 2.6
15X	Total Magnification (Range)	10.5X – 67.5X	5.3X – 33.8X	7.4X – 47.2X	21X – 135X
	Field of View Diameter (mm)	24.3 – 3.8	48.6 – 7.6	34.7 – 5.4	12.1 – 1.9
	Working Distance (mm)	118	195	145	35

PRODUCT TABLE

Part number	Microscope	Description
23711RB	System 273RB-RLI	S-Z 23mm Binocular, RB Stand, Fiber Optic Illuminator with Ring Light
23712RB*	System 273RB-FL	S-Z 23mm Binocular, RB Stand, FL Ring Light
23712RB-LED	System 273RB-LEDECO	S-Z 23mm Binocular, RB Stand, LED ECO Ring Light
23714AC*	System 273AC	S-Z 23mm Binocular, Articulating Arm with Clamp
23714RB*	System 273RB	S-Z 23mm Binocular, RB Stand
23714RB-ESD*	System 273RB-ESD	ESD-Safe, S-Z 23mm Binocular, RB Stand
23726RB-ESD*	System 273RB-LED-ESD	ESD-Safe, S-Z 23mm Binocular, RB Stand, LED-3000 Ring Light
23727RB*	System 273RB-DMLED	S-Z 23mm Binocular, RB Stand, Dimmable LED Ring Light
23728RB*	System 273RB-DMLED-HO	S-Z 23mm Binocular, RB Stand, Dimmable LED-High Output Ring Light
23780RB*	System 273RB-LED3000	S-Z 23mm Binocular, RB Stand, LED-3000 Ring Light
23783	System 273LS-LED3000	S-Z 23mm Binocular, Non-Illuminated Lab Stand, LED-3000 Ring Light
23784	System 273LS	S-Z 23mm Binocular, Non-Illuminated Lab Stand
23760	–	Eyepieces/15X Pair, 23mm, 273/373/VIP
23762	–	Eyepieces/20X Pair, 23mm, 273/373
23736*	–	0.7X Reducing Lens, 23mm for System 273/373 only
23750*	–	0.5X Reducing Lens, 23mm for System 273/373 only
23793	–	Articulating Arm with Vertical Extension
23793-ESD	–	ESD-Safe, Articulating Arm with Vertical Extension

*Available as **72 Hour QUICK SHIP**

Visit <https://microscopes.unitronusa.com> for additional stand options



ESD-Safe System 373 TRU Trinocular Microscopes

For training and documentation purposes with optional digital accessories for image capture

System 373 ESD-Safe Trinocular Microscopes are designed for inspection and documentation applications in static-sensitive environments. The body and stand are treated with a metal-laced powder coat that measures $10^5 \Omega/\text{sq.}$ (static dissipative). Dual boom roller-bearing stands feature a 22" stainless steel horizontal boom extension and 17.5" vertical post mounted to a 10" x 10" diecast base. Roller-Bearing design allows fluid horizontal extension of the boom stand. Extensive flexibility and adjustability allow this microscope to alter angles up to 45°; the head can be rotated 360° in its focus mount. Models offer nearly an 8" working distance (when used with an optional 0.5X reducing lens) and 15% greater field of view than comparable scopes. TRU Trinocular feature allows the user to simultaneously view images on screen and through the eyepieces.



P/N 23720RB-TRT-ESD



P/N 23725RB-HDTRTHOL-ESD

TECHNICAL DESCRIPTION

OPTICS:

23mm field of view, 10X super widefield eyepieces and eyeshields. Nearly 8" of working distance when used with an optional 0.5X reducing lens. TRU viewing head for simultaneous viewing through both eyepieces while using a digital camera.

MAGNIFICATION:

Standard 7X – 45X magnification range. 3.5X – 22.5X magnification and 195mm working distance when used with a 0.5X reducing lens.

LENSES:

High-quality achromatic lenses with anti-reflective coatings.

ERGONOMICS:

Alter angles up to 45°. 360° head rotation in its focus mount.

ZOOM:

0.7X – 4.5X zoom range controlled by dual graduated knobs with click-stop positions located on both sides of the head.

CONSTRUCTION:

Heavy-duty cast aluminum housing. Body and stand are treated with a metal-laced powder coat that measures $10^5 \Omega/\text{sq.}$ (static dissipative).

MOUNTING:

Dual boom roller-bearing stand with 17.5" vertical and 22" horizontal reach (10" x 10" base).

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

Additional lighting options sold separately.

DUAL BOOM ROLLER-BEARING STANDS

P/N 23720RB-TRT-ESD



P/N 23725RB-HDTRTHOL-ESD



P/N 23725RB-USBSRTRT-ESD

SYSTEM 373 OPTICAL DATA

Eyepieces		Objective			
		1.0X (included)	0.5X	0.7X	2.0X
10X	Total Magnification (Range)	7X – 45X	3.5X – 22.5X	4.9X – 31.5X	14X – 90X
	Field of View Diameter (mm)	32.8 – 5.1	65.7 – 10.2	46.9 – 7.3	16.4 – 2.6
15X	Total Magnification (Range)	10.5X – 67.5X	5.3X – 33.8X	7.4X – 47.2X	21X – 135X
	Field of View Diameter (mm)	24.3 – 3.8	48.6 – 7.6	34.7 – 5.4	12.1 – 1.9
	Working Distance (mm)	118	195	145	35

SYSTEM 373 TRINOCULAR OPTICAL DATA

1/3" CCD Camera with 22" Monitor and 0.5X Video Adapter

Accessory Lens	Magnification with zoom setting @ 0.7	FOV (mm) with zoom @ 0.7	Magnification with zoom setting @ 4.5	FOV (mm) with zoom @ 4.5	Working Distance (mm)
None (1X)	23.1X	24.2	148.4X	3.8	118
0.5X	11.5X	48.4	74.2X	7.5	195
0.7X	16.2X	34.6	103.9X	5.4	145
2X	46.2X	12.1	296.9X	1.9	35

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

None (1X)	21.6X	25.9	138.6X	4	118
0.5X	10.8X	51.8	69.3X	8.1	195
0.7X	15.1X	37	97X	5.8	145
2X	43.1X	13	277.2X	2	35

PRODUCT TABLE

Part number	Microscope	Description
23720RB-TRT-ESD*	System 373RB-TRT-ESD	ESD-Safe, S-Z 23mm TRU Trinocular, RB Stand
23725RB-USBSRTRT-ESD	System 373RB-DMLED-HOUSBSTESD	ESD-Safe, S-Z 23mm TRU Trinocular, RB Stand, Dimmable LED-High Output Ring Light, USB 2.0 Camera, video adapter
23725RB-HDTRTHOL-ESD*	System 373RB-DMLED-HOHDTR-ESD	ESD-Safe, S-Z 23mm TRU Trinocular, RB Stand, Dimmable LED-High Output Ring Light, Excelis HD Camera, video adapter
23760	–	Eyepieces/15X Pair, 23mm, 273/373/VIP
23762	–	Eyepieces/20X Pair, 23mm, 273/373
23736*	–	0.7X Reducing Lens, 23mm for System 273/373 only
23750*	–	0.5X Reducing Lens, 23mm for System 273/373 only

*Available as **72 Hour QUICK SHIP**

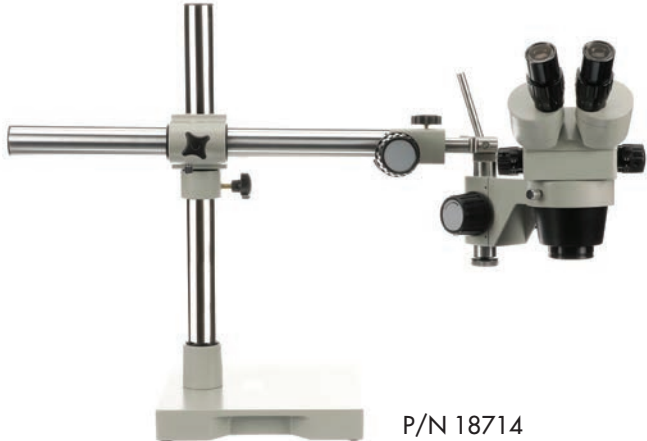
System 250 Binocular Microscopes

Medium-duty binocular microscope system

Binocular Stereo-Zoom Microscope with single boom stand and sturdy, heavy duty, cast aluminum alloy, powder coated housing that rotates 360° in its focus mount. Models are standard with 10X widefield eyepieces and have a zoom range from 0.65 to 4.5 giving them a magnification range of 6.5X - 45X. Zoom is controlled by dual graduated knobs on the sides of the body. The extended magnification range is from 3.3X to 22.5X when using optional 0.5X reducing lens.



P/N 18714RB



P/N 18714

SYSTEM 250 OPTICAL DATA

Eyepieces		Objective	
		1.0X (included)	0.5X
10X	Total Magnification (Range)	6.5X - 45X	3.3X - 22.5X
	Field of View Diameter (mm)	31 - 4.5	61.5 - 8.9
	Working Distance (mm)	95	150

PRODUCT TABLE

Part number	Microscope	Description
18712*	System 250-FL	S-Z Binocular, Single Boom Stand, FL Ring Light
18712-LED*	System 250-ECO	S-Z Binocular, Single Boom, LED-ECO Ring Light
18714*	System 250	S-Z Binocular, Single Boom
18714RB*	System 250-RB	S-Z Binocular, RB Stand
18750*	—	0.5X lens Reducing Lens (for System 250 models only)

*Available as **72 Hour QUICK SHIP**



VIP Microscopes *Vip*

Ergonomically designed microscope with individual eyepiece adjustment

No neck or muscle fatigue. VIP (Variable Inclination Position) Microscopes feature a 23mm field of view, a 4X – 25X magnification range and 186mm working distance when used with the included 0.5X reducing lens (8X – 50X magnification range and 91mm working distance with optional 1.0X lens). Ergonomically designed interpupillary adjustment with a 0°-30° angle of inclination allows for individualized adjustment so each technician can maintain correct posture during use – neck straight, eyes forward. The body and stand are treated with a metal-laced powder coat that measures 10⁵Ω/sq. (static dissipative)."



P/N 23880RB-ESD



P/N 23814RB-ESD

VIP OPTICAL DATA

Eyepieces		Objective	
		1.0X (optional)	0.5X (included)
10X	Total Magnification (Range)	8X - 50X	4X - 25X
	Field of View Diameter (mm)	28.8 - 4.6	57.5 - 5.8
15X	Total Magnification (Range)	12X - 75X	6X - 37.5X
	Field of View Diameter (mm)	21.3 - 3.4	42.5 - 6.8
	Working Distance (mm)	91	186

PRODUCT TABLE

Part number	Microscope	Description
23814RB-ESD*	System 273RB W/0.5X Lens VIP-ESD	ESD-Safe, VIP Microscope, RB Stand, (0.5X lens included)
23880RB-ESD*	System 273RB-LEDVIP-ESD	ESD-Safe, VIP Microscope, RB Stand, (0.5X lens included), LED-3000 Ring Light
23760	–	Eyepieces/15X Pair, 23mm, 273/373/VIP
23793-ESD	–	Articulating Arm with Vertical Extension, ESD-Safe

*Available as **72 Hour QUICK SHIP**

System 274 Binocular Microscopes

Ergonomic Binocular Microscopes for Greater Comfort and Productivity

LX Microscopes by UNITRON's System 274 is the newest addition to our industry-leading, ergonomic microscope product family. The ergonomic features of the System 274 are ideal for prolonged use and offer added flexibility for multiple operator usage. Distortion free viewing with a high quality, 24mm field of view and 4X - 25X magnification range. 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.



P/N 24880BB



P/N 24814VE

TECHNICAL DESCRIPTION

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

MAGNIFICATION:
4X – 25X and 186mm of working distance with 0.5X reducing lens (included).

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 274 binocular models are available with the Ball Bearing Boom Stand with base or Articulating Arm with Vertical Extension and edge clamp.

LIGHTING:
System 274 models are available with or without lighting. Select models include our LED-3000 Dimmable LED ring light or the High Output Dimmable LED ring light (P/N 18743). Refer to the individual product descriptions.

5-YEAR WARRANTY. Visit our website for full details.
Additional lighting options sold separately.

BALL BEARING BOOM STANDS



P/N 24814BB



P/N 24828BB



P/N 24880BB

ARTICULATING ARM WITH VERTICAL EXTENSION AND STANDS



P/N 24814VE



P/N 24828VE



P/N 24880VE

SYSTEM 274 OPTICAL DATA

Eyepieces		Objective
10X	Total Magnification (Range)	4X – 25X
	Field of View Diameter (mm)	60 – 9.6
	Working Distance (mm)	186

PRODUCT TABLE

Part number	Microscope	Description
24814BB*	System 274BB WITH 0.5X LENS	S-Z 24mm Ergo Binocular, BB Stand, (0.5X lens included)
24814VE	System 274VE WITH 0.5X LENS	S-Z 24mm Ergo Binocular, Articulating Arm with Vertical Extension, (0.5X lens included)
24828BB	System 274BB-DMLED-HO WITH 0.5X LENS	S-Z 24mm Ergo Binocular, BB Stand, (0.5X lens included), Dimmable LED-High Output Ring Light
24828VE	System 274VE-DMLED-HO WITH 0.5X LENS	S-Z 24mm Ergo Binocular, Articulating Arm with Vertical Extension, (0.5X lens included), Dimmable LED-High Output Ring Light
24880BB*	System 274BB-LED3000 WITH 0.5X LENS	S-Z 24mm Ergo Binocular, BB Stand, (0.5X lens included), LED-3000 Ring Light
24880VE	System 274VE-LED3000 WITH 0.5X LENS	S-Z 24mm Ergo Binocular, Articulating Arm with Vertical Extension, (0.5X lens included), LED-3000 Ring Light

*Available as **72 Hour QUICK SHIP**

System 374 Trinocular Microscopes

Ergonomic Trinocular Microscopes for Comfort, Training, Documentation and Productivity

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 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

Eyepieces		Objective	
		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

2/3" CMOS 4K Ultra HD Camera with 24" Monitor and 0.7X Video Adapter

1.0X	20.2X	30.2	126X	4.8	78
0.5X	10.1X	60	63X	9.7	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

Lighting Options



LED-3000 Ring Light maximizes light output and distribution, and prevents harmful glare and reflections. LED-3000 is self-contained and features 40 brilliant LEDs, 50,000 hour lamp life, 6000K color temperature, on/off and dimming controls (to 10% output), 3600 footcandles at 4.5" working distance, and uses only 9-watts. LED-3000 is ESD-Safe and suitable for static-sensitive environments. **Made in the USA.**

Part Number	Description
LED3000*	LED-3000 Ring Light



Dimmable LED-High-Output Ring Light maximizes light output with a greater working distance. High-Output ring lights feature two concentric rings of lights (40 LEDs, each), 50,000 hour lamp life, 6000K color temperature, on/off and dimming controls, quadrant controls, 5800 footcandles at 4.5" working distance, and uses 18-watts. The UV model features UV-A LEDs in the inner ring and white LEDs in the outer ring. **Made in the USA.**

Part Number	Description
18743*	Dimmable LED High-Output Ring Light
15859-B	Dimmable LED-High Output Ring Light with 40 UV-A and 40 White LEDs



Dimmable LED Ring Light optimizes light output and distribution, and prevents glare. This ring light features 40 brilliant LEDs, 50,000 hour lamp life, 6000K color temperature, dimming controls (to 15% output), quadrant controls, 3600 footcandles at 4.5" working distance, a diffusing filter, and uses only 9-watts. **Made in the USA.**

Part Number	Description
18746*	Dimmable LED Ring Light



Quadrant LED Ring Light is self-contained and delivers even illumination to the sample. This ring light features 72 bright LEDs, 6400K color temperature, 10-step variable intensity, quadrant controls and 10,000 hour lamp life.

Part number	Description
15854	Quadrant LED Ring Light



LED ECO Ring Light delivers even illumination to the sample. This ring light features 30 LEDs, 6500K color temperature, variable intensity control, 50,000 hour lamp life, and uses 7 watts.

Part number	Description
18744	LED-ECO Dimmable LED Ring Light



LFOD150 Fiber Optic Illuminator features a 150W halogen light source, 6450 footcandles (at 4.5" working distance), and dimmer control. With rubber feet on its back as well as the bottom, LFOD150 can also be positioned vertically to save space. Choose a Fiber Optic Ring Light (Part number LFORL-CR) or Dual Gooseneck Light Guide (Part number LFODG) to deliver light to the sample. **Made in the USA.**

Part Number	Description
LFOD150	Fiber Optic Illuminator
LFORL-CR	Fiber Optic Ring Light
LFODG	Dual Gooseneck Fiber Optic Transmitter

*Available as **72 Hour QUICK SHIP**

Digital Options



Excelis™ HD 1080P High-Definition Camera delivers true LIVE HD 1080P viewing with the convenience of built-in software, so no PC is required. Connect the Excelis HD to a compatible HD monitor (user supplied) using the included HDMI cable to view live, full-HD images at 60 frames/sec. Control the camera, measure, capture and save images to the provided SD card using the included USB mouse. Or use the included CaptaVision™ PC software for greater camera control and measurement capabilities – use the included USB-to-USB cable to connect the camera to the PC. Requires video adapter (P/N 23769).

Part Number

18795-HD

Description

Excelis™ HD Camera 1080P 60FPS USB 2.0



Excelis™ 4K 2160P Ultra High Definition Camera delivers true 4K 2160P viewing on a 4K-compatible monitor or HD 1080P viewing on an HD monitor. Excelis 4K has built-in software, so it can be use without a PC. Connect the Excelis 4K to a compatible 4K monitor (user supplied) using the included HDMI cable to view live video at 30 frames/sec, and save images directly to the provided USB stick. For greater control and measurement options, connect the camera to a PC and use the included CaptaVision™ software. Two ways to connect to the Excelis 4K to a PC: 1) Use the provided USB-to-USB cable to connect the camera to a PC, or 2) connect the camera to a LAN using a user-supplied Ethernet cable and the built-in GigE port, and any PC with CaptaVision on the same LAN can view and operate the Excelis 4K. Requires video adapter (P/N 23767).

Part Number

18795-4K

Description**NEW!** Excelis™ 4K UHD Camera 2160P 30FPS USB3.0 GigE

Product Guide LX Series

Midas®

Handheld digital inspection system with trigger image capture

MIDAS® is a horizontally-positionable digital handheld inspection system which provides a versatile way of capturing and documenting images using a polarizing filter and 5MP Camera. Ideal for inspection, document authenticity, criminology, museum and artwork restoration, currency verification and gemstone and mineral examination.

**MIDAS® OPTICAL DATA**

	Magnification			
	10X	20X	50X	200X
Working Distance	150mm	95mm	13mm	2mm

PRODUCT TABLE

Part number	Description
MIDAS-GS	MIDAS® Camera with Polarizing Filter and Gooseneck Stand
MIDAS-ST	MIDAS® Camera with Polarizing Filter and Boom Stand
MIDAS	MIDAS® Camera with Polarizing Filter and (no stand)



UNITRON Ltd.

For over 70 years, UNITRON has delivered high quality, innovative microscopes and lighting solutions with a special focus on industrial applications. Through individualized ergonomics, UNITRON's products improve work efficiency and productivity. UNITRON products and solutions are developed, manufactured, tested and certified in accordance with all relevant quality and environmental standards. Based on the latest technology and experience, UNITRON products deliver exceptional results now and into the future.

73 Mall Drive Commack, NY 11725
Tel: 631-543-2000
Fx: 631-589-6975
orders@unitronusa.com
info@unitronusa.com
<https://microscopes.unitronusa.com>

A Solution for Every Application

LX Microscopes by UNITRON feature high-quality achromatic lenses with anti-reflective coatings for superior visual clarity. Optional eyepieces and accessory objective lenses can be added to provide a wider range of magnification. A choice of light sources and mounting options enable the product setup 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.

© UNITRON 2021



ISO
9001 • 14001

CE RoHS