



## System 230

### System 230 Binocular Microscopes

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 optics system, it fits many applications where higher magnification isn't required.

### 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 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

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### OPTICS

20mm, 10X widefield eyepieces with individual diopter adjustment and eyeshields. 97mm working distance (with included 1.0X lens) 180 mm (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** - please refer to our website for details.

*Design, features and specifications are subject to change without notice*

## SYSTEM 230 CONFIGURATIONS

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

### BALL BEARING BOOM STANDS



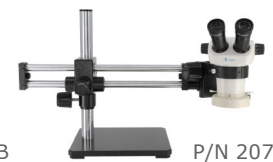
P/N 20714BB



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 20784



P/N 20783

### REDUCING LENSES



P/N 20750



P/N 20736

## SYSTEM 230 OPTICAL SPECIFICATIONS

		Objective		
Eyepieces		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

