

## UIM200 Series Metallurgical Microscope--(Reflected light)



- Universal Infinity Independent Achromatic Optical System
- WF10x plan eyepieces, 20mm field of view, high eye point up to 21mm
- Seidentopf binocular/trinocular viewing head with photo tube; inclined 30°, rotatable 360°
- Light distribution: binocular 100% or binocular/trinocular 20%/80%
- 52-75mm interpupillary distance settings
- $\pm 5$  Diopter adjustment
- Quintuple nosepiece inward facing with positive click stops
- Infinity long work distance metallurgical plan achromatic 10x, 20x, 50x(S) and 80x (S) objectives
- Right hand controls, low position, mechanical stage, 156mm x 138mm, movement range 76mm x 52mm
- N.A.1.25 Abbe condenser with iris diaphragm, with phase-contrast socket
- Coaxial coarse and fine focus mechanism with markings on fine focus knobs. Fine focus sensitivity 0.001mm
- Analyzer Slider and Polarizer Slider
- 12V50W watt halogen illumination(Reflected light)
- Dust cover, clear blue filter, power cord

## CCD Digital color cameras Series 3.2M Pixel

### General Features:



- Interface: USB 2.0
- Resolution: 2048\*1536 (3.2M pixels)
- For Live image and still picture
- Sensor: 1/3 inch Super HAD Color CCD
- Connect to 23.2mm & 30mm / 30.5mm
- Video frame Rate: up to 20 frame-per-second

### Technical Specifications:

PC Interface	USB 2.0,support
Sensor	1/3 inch, <b>Super HAD Color CCD</b> , 3.2 M Pixels
Maximum Resolution	2048*1536
Frame Rate	15fps at 2048*1536,20fps at 1024*768
Video Mode	2048*1536, 1024*768
Dynamic Range	75dB
Sensitivity	0.4V 706cd/m2, color temperature of 3200K
Color	Max 1.64 million 24Bit Color
Color Mode	Color / Mono , R-G-B / B-G-R
Driver	Direct Show & Twain
Power Source	From USB 2.0 Port
Image Control	White balance, Automatic and Manu R-G-B Exposure: Auto Exposure / Target / Time Color: Color-Mono / Gamma / Saturation / Contrast Matrix
	Misc: Flip-Horizontal / Flip-Vertical Frame Rate: Low / High

## CCD Digital color cameras Series 5.6M Pixel \

### General Features:



- Interface: USB 2.0
- Resolution: 2720\*2048 (5.6M pixels)
- For Live image and still picture
- Sensor: 1/2 inch Super HAD Color CCD
- Connect to 23.2mm & 30mm / 30.5mm
- Video frame Rate: up to 16 frame-per-second

### Technical Specifications:

PC Interface	USB 2.0,support
Sensor	1/2 inch, <b>Super HAD Color CCD</b> , 5.6 M Pixels
Maximum Resolution	2720*2048
Frame Rate	10fps at 2720*2048,16fps at 1360*1024
Video Mode	2720*2048, 1360*1024
Dynamic Range	75dB
Sensitivity	0.45V 706cd/m2, color temperature of 3200K
Color	Max 1.64 million 24Bit Color
Color Mode	Color / Mono , R-G-B / B-G-R
Driver	Direct Show & Twain
Power Source	From USB 2.0 Port
Image Control	White balance°Automatic and Manu R-G-B Exposure: Auto Exposure / Target / Time Color: Color-Mono / Gamma / Saturation / Contrast Matrix Misc: Flip-Horizontal / Flip-Vertical Frame Rate: Low / High