

# Pro-MicroScan

## Digital Eyepiece Camera for Microscope MDC200

Order Part No.:#5870

This digital camera (USB 2.0) is professionally designed for microscopes. It works perfectly with all types of optical microscopes (Biological, Stereo and metallurgical, etc.). The images of the observed specimen or sample can be accurately displayed and captured on the computer screen. The included advanced application software allows for simple and convenient manipulation of the captured images from the microscope!

### General Features:

- Interface: USB 2.0
- Resolution: 1600×1200 (2M pixels)
- For Live image and still picture
- Sensor: 1/3" Super Color HPCCD
- 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 Color HPCCD</b> , 5.6 M Pixels   |
| Maximum Resolution | 1600×1200   |
| Frame Rate         | 12 fps at 1600×1200 , 20 fps at 640×480   |
| Video Mode         | 1600×1200 / 1024×768 / 800×600 / 640×480  |
| Dynamic Range      | 62dB  |
| Sensitivity        | 0.45V 706cd/m <sup>2</sup> , color temperature of 3200K   |
| Color              | Max 1.64 million 24Bit Color  |
| Color Mode         | Color / Mono , R-G-B / B-G-R  |
| Driver             | <b>Direct Show</b> & <b>Twain</b>   |
| Power Source       | From USB 2.0 Port   |
| Image Control      | White balance: Automatic and Manu R-G-B<br>Exposure: Auto Exposure / Target / Time<br>Color: Color-Mono / Gamma / Saturation / Contrast<br>Misc: Flip-Horizontal / Flip-Vertical<br>Frame Rate: Low / Medium / High |

\* Please use this Camera after confirming your PC specifications.

## Special Function:

- Live capture quick measure
- Video scale (e.g.100X 20μm)
- Video Marker (e.g. + # ✕ □ ○. size, color, position can be changed)
- Video Date Marker
- Video Clarity Factor
- Manual Fusion (make image large depth of field)
- Auto Fusion (Need DAF Z-axis controller)
- Auto Focus (Need DAF Z-axis controller)

## Dimensions and Weight

- Body length: 4.3" / 110 mm (H)
- Body Diameter: 2.36" / 60 mm (D)
- Cable length: 59.1" / 1.5 m
- Body with USB cable: 0.62 lbs / 280 g
- Total unit with cable weight: 1.32 lbs / 600 g
- Package Size: 16.5 mm (L)X 14.5 mm (W) X 8.5 mm (H)

## Package Includes:

- Digital Microscope Eyepiece Camera
- CD: Driver and Software (ScopePhoto, MiniSee)
- Two adaptors (dia.30mm, dia.30.5mm, one each)
- High-Speed USB2.0 cable (1.5m)
- User manual
- Optional Accessories:TS-M1 or TS-M2 Calibration Slide(Stage Micrometer)

## System Requirements:

- Intel Pentium 2.0GHz processor minimum (Recommend Dual core 2.8GHz or faster)
- Windows 2000/XP(SP2-SP3)/ Vista
- DirectX 9.0 or later
- 1GB RAM or more
- CD-ROM drive
- 32-bit color graphics card
- 21" display monitor or larger
- Hi-speed USB 2.0 Port