



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

DIGITAL SPINNERETSCOPE WITH CAMERA - RIS-45 (WITHOUT COMPUTER SYSTEM)



DIGITAL SPINNERETSCOPE WITH CAMERA - RIS - 45 (Without Computer System)

Applications

1. Specially designed for the inspection of spinnerets
2. Fitted with dedicated high quality Color Microscopy Camera for image display on PC screen.
3. Crisp, erect images with high resolution and excellent stereoscopic effect.
4. Gliding stage having x-y movement 170x170mm.
5. Zoom Ratio : 1:6.3
6. Zoom Range : 0.7x to 4.5
7. Magnification variable from 14X to 90X
8. Images can be edited, saved and emailed on PC.

ProCam T 5MP CMOS Color Camera having Measurement Software & Calibration Slide 1/100mm

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|--------------------------|---|
| 1. Pixel | : 5.0MP CMOS |
| 2. Sensor Size | : 1/2.5" |
| 3. Pixels size | : 2.2µm x 2.2µm |
| 4. Resolution/Frame rate | : 2592x1944 (full resolution) : 7FPS |
| | : 1280 x 960 : 27FPS, 640 x 480 : 90FPS |
| 1. Binning | : 1x1, 2x2, 4x4 |
| 2. Shutter | : Electronic Rolling Shutter |

3. Exposure Time : 0.1ms~3000ms
4. Sensitivity : 0.53V/Lux-sec
5. SNR : 44 dB
6. Dynamic Range : 67 dB
7. Spectral Range : 380-720nm (with IR-filter)
8. White Balance : ROI White Balance/ Manual Temp-Tint Adjustment
9. Image data Format : 10bit RAW
10. photo format : JPEG/BMP/PNG/RAW
11. Date interface : USB2.0 (B type interface)
12. Operating Temperature : -10°C~ 50°C
13. Storage Temperature : -20°C~ 60°C
14. Operating Humidity : 30~80%RH
15. Storage Humidity : 10~60%RH
16. Power Supply : DC 5V over PC USB Port

ProCam Capture & Measurement Software

Detailed Technical Specifications

1. Image Capture, Time Lapse Imaging, Video Capture, Features:
2. Multi-fluorescence mode
3. Exposure control
4. 2D Measurement capabilities
5. Multi-Camera operation
6. Image annotation
7. Programmable resolution
8. Individual user profiles
9. Time-lapse
10. Multi-focus (Z-stacking)

Measurements

Line, Rectangle, 2&3point Circle, polygon, Angle, point, Distance b/w two parallel lines, Dree Hand line area/Ellipses, 3 point, Center to center distance, Measurement on live & Captured Images, Text Stamping, Annotations, Tools: Exposure control(A/M), White balance (A/M), Counting, Annotations, Cross, & Angle dividing rulers on live & captured images, Reference scale, time lapse imaging, Video Capturing, Edge detection, Image stitching, Z-stacking, Calibration, Reports in MS Word & MS Excel. Image Process & Enhancement, Image format (JPEG/BMP/RAW/PNG), Dead pixel Correction, ETC.

Technical Specification

- Screen Diameter : 300 mm with graduation on X & Y axes.
- Magnification on the Screen : 50x.
- Field of view : 6 mm (Focusing by Worm & Worm Gear)

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