

# 5 MP High Resolution Digital Camera

## SALIENT FEATURES

- 5 Megapixel Camera
- 1/2.5" chip size
- Max Resolution: 2592 X 1944
- Exposure time 0.001 sec ~ 10.0 sec
- Compatible with Win 7/8 (32/64 bit), MAC OSX
- 5fps to 38fps depending upon resolution
- Low light image capture capability suitable for dark field & fluorescence applications
- Image analysis, calibration & measurement software provided with the camera

# Software Features

## Image Acquisition

- View and Save images in different resolutions (maximum up to 5MP or 10MP depending upon model)
- Capture images in jpg, bmp, tiff, raw formats
- Provision of video recording in mp4 format available
- Rotate image
- Flip the image horizontally / vertically

## Exposure Control

- Adjust brightness and gain
- Set Automatic Exposure

## Color Control

- Adjust color settings
- Manipulate RGB factor
- Color Enhancement and White Balance feature

## Image Measurement Tools

- Calibration feature available (mm, nm, um). Factors are auto-tabulated
- Linear measurements
- Square, polyline, polygon, arc, circular measurements
- Decimal Precision up to 7 places
- Export measured data to Excel Sheet / Notepad file
- Set Micron Marker
- Measurements can be done on live image
- System generated timestamps can be added to image
- Annotations can be made on images
- Ruler option available

## Post Processing

- Contrast, Saturation, Brightness, Sharpness

## Image Stitching

- Stitch multiple images together to form one combined image
- Takes note of grey levels. Images which differ in their grey levels will not be stitched

## Extended DoF

- Stack multiple sections of different depths of one image and stack them together to observe each section distinctly

# Computer System Requirements

**Operating System:** Window 7/8/10 (32 bit and 64 bit both)

**CPU:** Intel Processor i3 and higher

**Graphics Card :** 4 GB onboard Graphics card

**RAM:** Minimum 4GB

**USB Ports:** USB 2.0 and above

**Monitor :** Full HD monitor with 20" / 22" Display