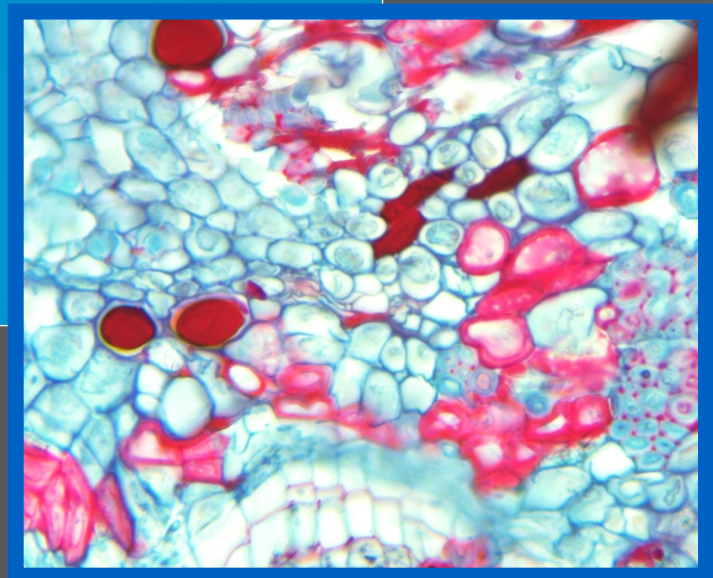


iVu 5100

Digital Imaging Module



**LABOMED**  
ideas for vision

# iVu 5100 Digital Imaging Module

## Technical Data

## Specifications

- Sensor: 1/2.5" 5.0 Megapixel Color CMOS; Active area: 5.70mm x 4.28mm
- Sensor resolution: 2592 x 1944 pixels
- Pixel Size: 2.2 $\mu$ m x 2.2 $\mu$ m
- Digitization: 12 Bit RGB
- Pixel clock: 48 MHz
- Dynamic range: 68 dB (measured at 10 ms exposure)
- Max. exposure: 3s
- Min exposure: 1s
- Live Image: 30 fps (1280 x 720) for Digital and 30 fps (720P) for Analog
- Scan Mode: Progressive
- **Image resolution:**
- Standard: (2592 x 1944)px  
(280x 720)px  
(640 x 480)px
- Interface: USB 2.0 and Composite Analog Out
- Optical connection: C-mount
- Voltage Supply: 5V/2Amp through USB 2.0 or Exertnal Supply
- Power consumption: approx. 1.8W
- Ambient conditions: Temperature: -30°C...+70°C; Humidity: up to 80%, not condensing
- Indicator: Green LED indicating power on and ready for capture
- Integrated slot: SD card slot for SD and SDHC Cards
- Recording: Button for image capture and video capture
- Refresh: Reset toggle refreshes white balance and restores camera to factory preset
- Analog Interface: NTSC/PAL toggle switch on board
- External Power: Optional power adapter available for when USB power not available
- System requirements: Microsoft XP/Vista/7 OS, 3 Ghz CPU, 2GB RAM (if 1GB, recommend 64MB graphics card), USB 2.0
- Software: PixelPro™ Image Analysis Software for capturing still images and videos. Software provides an easy to navigate user interface designed for routine analysis. Control features include Auto White Balance and Auto Exposure adjustments, Picture quality adjustments, Annotations, Measurement functions & Calibration, Region of Interest selection, Archival of images in an easy to use gallery, and a variety of resolutions to view images at. Software is compatible with Windows XP/Vista/7 Operating Systems

Specifications

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