

# Infinity 1-2

## Digital Microscopy Camera

### Excellent entry level multi-megapixel CMOS microscopy camera

The INFINITY1-2 2.0 megapixel CMOS digital camera is designed to be a cost-effective, versatile solution for documentation in clinical, life science, materials science and educational professionals.

The INFINITY 1-2 is an excellent entry level multi-megapixel CMOS microscopy camera, delivering outstanding image quality for a wide variety of scientific applications. It is ideally suited for applications with bright, consistent lighting and tight budget constraints. The INFINITY1-2 is available in color, as well as OEM form factors including board-level and custom enclosures.

#### EXCELLENT COLOR REPRODUCTION

INFINITY1-2 digital camera features specialized color algorithms ensuring excellent color reproduction in samples ranging from stained cells to wafer inspection.

#### FULL IMAGE ANALYSIS SOFTWARE INCLUDED

Every INFINITY camera includes INFINITY ANALYZE software for advanced camera control, image processing, measuring and annotation, as well as INFINITY CAPTURE, an intuitive user interface which includes all of the basic features needed to control your INFINITY camera and capture images.

#### FEATURES

- Progressive scan 1/2" SOI268 2.0 megapixel CMOS color sensor
- High-speed USB 2.0 interface for ease of installation on any computer
- Full color sub-windowing and subsampling for rapid focus and scanning of samples
- Crisp color quality for the most demanding brightfield and darkfield microscopy applications including clinical pathology and cytology, life science and geology
- 15 fps at full 1600x1200 resolution, higher at reduced resolutions
- Select 8 & 10-bit pixel data modes



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## SPECIFICATIONS

### CAMERA SENSOR

**Image Sensor:**  
1/2" SOI268 CMOS format,  
color, progressive scan,  
6.72mmx5.04mm array

**Effective Pixels:**  
1600x1200, 4.2m square pixels

**Frame Rate:**  
15 fps at 1600x1200

**Dynamic Range:** 49dB

**Bit Depth:**  
8 and 10-bit uncompressed

**Read Noise:**  
- 45 e-

### CAMERA CONTROLS

**Mass:**  
300g

**Power Requirement:**  
USB bus power (optional 5VDC  
- 500mA)

**Power Consumption:**  
~2.5Watts

**Operating Temperature:**  
0C to +50C

**Operating Humidity:**  
5%-95%, Non-condensing

**Exposure Range:**  
64µs to 499ms (video) 64µs to  
2s (snapshot)

**Interface Connector:**  
USB 2.0 high-speed interface

**Dimensions:**  
3.85" L x 2.25" W x 2.75" H