

INFINITY 2-5

5.0 Megapixel CCD USB 2.0 Camera

High resolution CCD color or monochrome microscopy camera for qualitative image archiving



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Lumenera's INFINITY 2-5 digital CCD USB 2.0 camera offers excellent sensitivity, high resolution and a global electronic shutter. This is an ideal camera for brightfield, darkfield, and DIC imaging applications where higher resolution archiving and a wide dynamic range are routinely required. With 2448 X 2048 resolution and on-board processing, the INFINITY 2-5 delivers outstanding image quality for a wide variety of scientific applications.

Superior Sensitivity and Color Reproduction

Years of experience in the microscopy market have allowed Lumenera to develop specialized color algorithms ensuring excellent color reproduction. Additionally, INFINITY software allows the adjustment of all live preview color facets, enabling users to apply their own personal preferences to each image. For lower light applications the Sony CCD sensor has a high dynamic range, resulting in excellent camera sensitivity.

Full Image Analysis Software Included

INFINITY CAPTURE, an intuitive image capture program, and INFINITY ANALYZE, a full image analysis package offering; camera control, measurement, annotations, tiling and post capture enhancement, are both included. Camera and software combined to create a complete microscopy imaging solution for your application.

USB 2.0 Plug-and-Play Interface

Once the software had been installed, running one or more cameras on a single computer is as simple as plugging them into a high-speed USB 2.0 port.

Third-Party Software Integration

INFINITY cameras are integrated into a variety of third-party software packages through direct drivers or with TWAIN/DirectX support.

Mac Camera Software

A Mac camera driver and ImageJ plug-in are available for the INFINITY 2-5. Please refer to the Lumenera webpage www.lumenera.com for up-to-date details.

Superior Technical Assistance Center (TAC)

As a Lumenera customer you gain access to the TAC group and knowledge base, which provide full support for cameras, software and microscopy applications.

Features

- 2/3" format progressive scan 5.0 megapixel CCD sensor
- Full color sub-windowing allows for rapid focus and scanning of samples; 9 fps at full 2448 x 2048 resolution, 23 fps at 640 x 480 (with ROI)
- 8 or 14-bit pixel data modes
- Software compatible with Windows 2K, Windows XP, Windows Vista, Windows 7, Mac OSX, 32 and 64-bit
- Includes TWAIN and DirectX/Direct Show support
- Optional GPI/O for control of peripherals and synchronization

Recommended Applications

- Brightfield
- Darkfield
- Live Cell Imaging
- Histology
- Pathology
- Cytology
- Defect Analysis
- Semiconductor Inspection
- Metrology
- Gel Documentation
- Quantitative Analysis

Warranty

- One (1) year parts and labor

Microscope Coupler

- Requires 1.0 x C-mount coupler



