INFINITY*4-11* SPEC SHEET

Lumenera's INFINITY*4-11* digital CCD camera is based on the Kodak KAI-11002 progressive scan CCD sensor. Matching the field of view of a 35mm camera with a 43.3mm diagonal, and boasting superior color reproduction, this camera is ideal for high-end scientific, industrial, medical, ophthalmic and life science applications.

The camera's adaptability to varying resolution and frame rate requirements, combined with low noise performance and 8 or 12-bit pixel data mode, make the INFINITY*4-11* an ideal camera for both live and fixed cell imaging. Live video preview allows for real-time focus, while auto exposure and auto/manual white balance efficiently capture your optimal image. A high-speed USB 2.0 interface eliminates the need for a framegrabber and provides "plug & play" ease of use. The INFINITY*4-11*is offered with both color and monochrome capability and is fully supported by Lumenera's INFINITY CAPTURE and INFINITY ANALYZE software. Advanced camera control is available through a Software Developer's Kit, while TWAIN and DIRECTX drivers ensure integration and compatibility with a variety of 3rd party software applications.

CAMERA SENSOR

Image Sensor	35mm Large Format Interline Kodak KAI11002 10.7 megapixel color or mono progressive scan CCD sensor
Effective Pixels	4008 x 2672, 9µm square pixels
Frame Rate	3.5 fps at 4008X2672, higher fps with binning and ROI
Dynamic Range	>60 dB
Digital Output	8 and 12-bit uncompressed
Read Noise	20 e- rms

CAMERA CONTROLS

Integration Time	1/1000 to 16 sec.
Shutter	Progressive Scan
Auto Exposure	Automatic / Manual
White Balance	Automatic / Manual
Gain	Programmable / 1 to 10X optimizable
Lens Mount	F-Mount lens adapter
Dimensions (L x W x H)	TBD
Mass	TBD
Power Requirement	External 12VDC - 2A
Power Consumption	~12Watts
Operating Temperature	0° C to +50° C
Operating Humidity	5%-95%, Non-condensing

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