



Outline

XLi's M series of cameras are designed to be used in a wide variety of Industrial Imaging applications.

The 2M camera incorporates a 1/2" 1600 x 1200 (UXGA) image array and an on-chip 10-bit A/D converter capable of operating up to 10 frames per second (fps) with full resolution and 40 fps at SVGA (800 x 600) resolution.

This commercial grade 2.0 mega pixel colour camera provides a cost effective solution to meet the needs of off line inspection and measurement, where detail is important.

Uncompressed images in live streaming video and still image capture are provided across a USB 2.0 digital interface.

Advanced camera control is available through our user friendly analysis and capture software package - XLi-Cap.

Custom camera control can be achieved through our complete Software Development Kit, with simple code available to quickly integrate camera functions into OEM applications.

M series cameras are offered in both enclosed and board level form. Custom form factor (sizes) can be provided at board level.

All XLi products are supported by an experienced team of software developers and application engineers.

Performance Features

- Optical black level calibration
- Video or snapshot operations
- Auto / Manual Exposure Control
- Auto / Manual White Balance Control
- Auto / Manual Gain Control
- Banding Filter Control
- Manual Flatfield Correction
- Variable Gamma Slope
- Variable Frame Rate
- On-chip R/G/B channel and luminance average counter
- Simplified cabling - video, power and full camera control over a single USB cable
- Integral IR filter
- Software compatible with Windows 2K and Windows XP operating systems
- Optional SDK available



Specifications

Image Sensor:	½" format
Array Size:	UXGA 1600 x 1200 SVGA 800 x 600
Electronic Exposure Range:	UXGA 1230:1 SVGA 614:1
Image Transfer Rate:	UXGA 1-10 fps SVGA 1-30 fps
Sensitivity:	1.0 V/Lux-sec
S/N Ratio:	54dB
Dynamic Range:	60dB
Scan Mode:	Progressive
Pixel Size:	4.2µm x 4.2µm
Dimensions (W x L x D):	45 x 83 x 17mm (board level) 54 x 84 x 38mm (enclosed)
Weight:	56g (board level) 97g (enclosed)
Interface Connector:	Standard USB 2.0 cable
Lens Mount:	Adjustable C-Mount