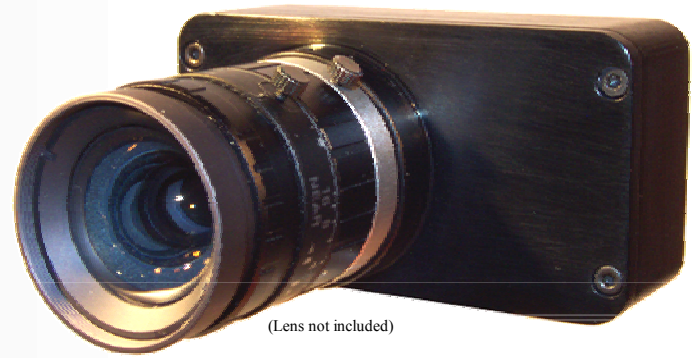


1.3 Megapixel USB 2.0 Camera

Model: ZC-105

- 1280 x 1024 pixels
- USB powered
- Connects directly to laptop or desktop computers with USB 2.0
- DirectShow[®] and TWAIN[™] compliant
- Includes software to capture still images and movies, with labeling, annotation and measurement.



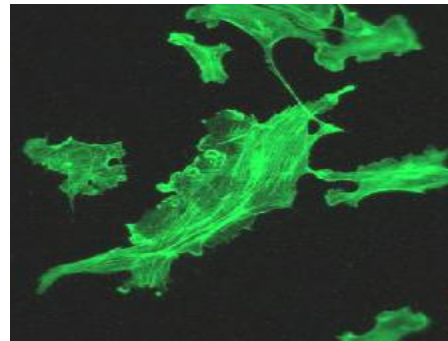
A compact, scientific quality camera for machine vision or microscopy, the ZC-105 is fully DirectShow[®] and TWAIN[™] compliant so it is compatible with the hundreds of programs which already support these popular standards.

The 1280 x 1024 pixel array updates at 14 frames/sec. (30 frames/sec. at 640 x 480 pixels.) A single cable simplifies connecting the camera to any desktop or laptop computer with a USB 2.0 port. Since the ZC-105 is fully powered from the USB 2.0 port, it is the perfect choice for mobile imaging applications.

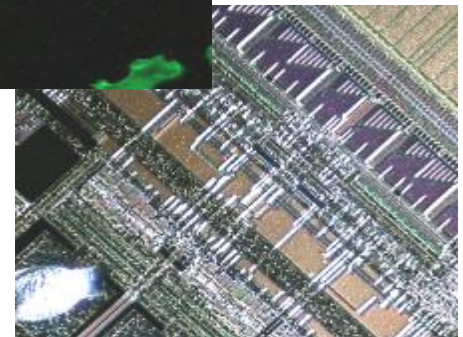
The ZC-105 camera includes Video ToolBox software, which provides full control over the camera, an easy-to-use interface for image capture, and advanced labeling, annotation and measurement features. An optional developers kit interfaces to National Instruments' LabVIEW[®] and provides an API for use with Visual Basic or C/C++.

Applications:

- Microscopy (brightfield, darkfield, fluorescence)
- Video Documentation
- Surveillance and Security
- Mobile Imaging
- Photo ID Systems
- Telemedicine
- Video conferencing and webcasting



Fluorescence microscopy



semiconductor inspection

Specifications:

Sensor Type:	CMOS
Sensor Size:	6.66 mm x 5.32 mm (1/2" type)
Pixel Size:	5.2 μ x 5.2 μ
Array Size:	1280x1024
Fixed Pattern Noise:	< 0.03%
S/N Ratio:	54 dB
Min. Illumination:	0.028 lux (with IR filter removed)
Pixel Clock:	24 megapixels/second
Bits per Pixel:	8 (per color component)
Frame Rate:	14.33 (max. full frame)
Exposure Time:	66 μs to >9 sec.
Shutter:	rolling, progressive scan
Gain:	manual or automatic
Lens Mount:	C or CS
Camera Housing:	Anodized aluminum
Camera Body Size:	36 (h) x 66 (w) x 21 (d) mm
Camera Weight:	90 g (w/out lens)
Mounting:	1/4" - 20 threaded socket

Computer Requirements:

- Windows 2000/XP
- Free USB 2.0 Port
- DirectX 8.1 or greater
- Pentium III 1.0 GHz or faster (P4, 1.5+ GHz recommended)
- 128 MB of Free Memory (256+ MB recommended)
- Video card with 16 MB of video RAM, minimum 800 x 600 resolution at 16-bit (65,000 colors)

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