

2.0 Megapixel USB 2.0 Camera

Model: ZC203

- 1600 x 1200 pixels
- USB powered
- Connects directly to laptop or desktop computers with USB 2.0
- Windows (32 and 64 bit) and MAC compatible
- Includes PC software to capture still images and movies, with labeling, annotation and measurement.

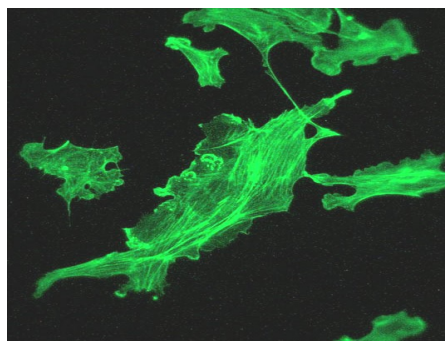


A compact, scientific quality camera for machine vision or microscopy, the ZC203 is fully DirectShow[®] compliant and installs without drivers on Windows (32 and 64 bit) and Macintosh Snow Leopard computers. The 1600 x 1200 pixel array updates at 15 frames/sec. (30 frames/sec. at 640 x 480 pixels.) A single cable simplifies connecting the camera to any desktop or laptop computer with a USB 2.0 port. Since the ZC203 is fully powered from the USB 2.0 port, it is the perfect choice for mobile imaging applications.

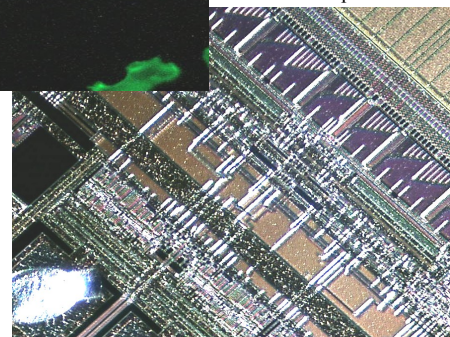
The ZC203 camera includes Video ToolBox Pro software, which provides full control over the camera, an easy-to-use interface for image capture, and advanced labeling, annotation and measurement features. An optional programmers DLL allows for remote software control in Basic or C/ C++, as well as National Instruments' LabVIEW[®].

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:	4.73 mm × 3.52 mm (1/3" type)
Pixel Size:	2.8 μ × 2.8 μ
Array Size:	1600 x 1280
Fixed Pattern Noise:	< 0.03%
S/N Ratio:	42.3 dB
Min. Illumination:	0.5 lux (with IR filter removed)
Bits per Pixel:	8 (per color component)
Frame Rate:	15 (max. full frame)
Exposure Time:	66 μs to 3 sec.
Shutter:	rolling, progressive scan
Gain:	manual or automatic
Lens Mount:	C or CS
Camera Housing:	Anodized aluminum
Camera Body Size:	45 (h) x 45 (w) x 58 (d) mm
Camera Weight:	128 g (w/out lens)
Mounting:	1/4" threaded socket
Software:	Video ToolBox Pro (Video ToolBox Premier & Mac software optional)

Computer Requirements:

- Windows XP/VISTA/7/8 (32 or 64 bit), MAC OS X 10.6+
- Free USB 2.0 Port
- DirectX 8.1 or greater (for Windows)
- Pentium IV 1.6+ GHz (Core 2 Duo, 1.5+ GHz recommended)
- 1+ GB of Free Memory (2+ GB recommended)
- Video card with 64+ MB of video RAM, minimum 800 x 600 resolution at 16-bit (65,000 colors)



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