HV-USB PC-Powered Megapixel USB 2.0 Camera

Gradient Lens Corporation

High-Resolution USB 2.0 Camera, 1280 x 1024 pixels, low-noise, DirectShow® and TWAIN™ compliant, light, compact. Includes Video ToolBox software.

(lens not included)

Powered directly from the USB 2.0 port, the HV-USB is the ideal camera for mobile inspection and documentation..

A compact, scientific quality camera for machine vision or microscopy, the *HV-USB* is fully DirectShow® and TWAIN® compliant so it is compatible with the hundreds of programs which support Microsoft's standardized format. The 1280 x 1024 pixel array updates at 15 frames/sec. (30 frames/sec. at 640 x 480 pixels.) A single cable connection simplifies wiring to any desktop or laptop computer with a USB 2.0 port.

The *HV-USB* is fully powered from the USB 2.0 port so it is the perfect choice for mobile imaging. Mount it on a Hawkeye Borescope and you can capture images from your Hawkeye Borescope anywhere you need them.

The *HV-USB* camera comes with Video ToolBox software which offers full control of the camera, an easy-to-use interface for image capture, and advanced annotation and measurement features. Video ToolBox can also work with GPS receivers to automatically tag images with the precise location and time at which they were captured. An excellent option for mobile imaging when documentation is critical.

Specifications

Sensor Type:	CMOS
Sensor Size:	6.66 mm × 5.32 mm
Pixel Size:	5.2 μ × 5.2 μ
Array Size:	1280×1024
Fixed Pattern Noise:	< 0.03%
S/N Ratio:	54 dB
Minimum Illumination:	0.028 lux
Pixel Clock:	24 megapixels/second
Bits per Pixel:	8 (per color component)
Frame Rate:	14.33 (max. full frame)
Exposure Time:	66 μs to >4 sec.

Requirements

Windows® 2000 or Windows XP with USB 2.0 drivers
DirectShow® (component of Microsoft DirectX®)
Powered USB 2.0 port
Recommended minimum of 1.6 GHz CPU
Recommended minimum 256MB memory
Recommended minimum 16 MB video card, screen resolution > 800 x 600

Gradient Lens Corporation

207 Tremont Street   Rochester, New York 14608
www.gradientlens.com   phone: 585-235-2620