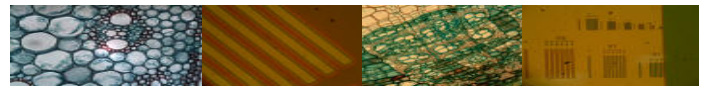
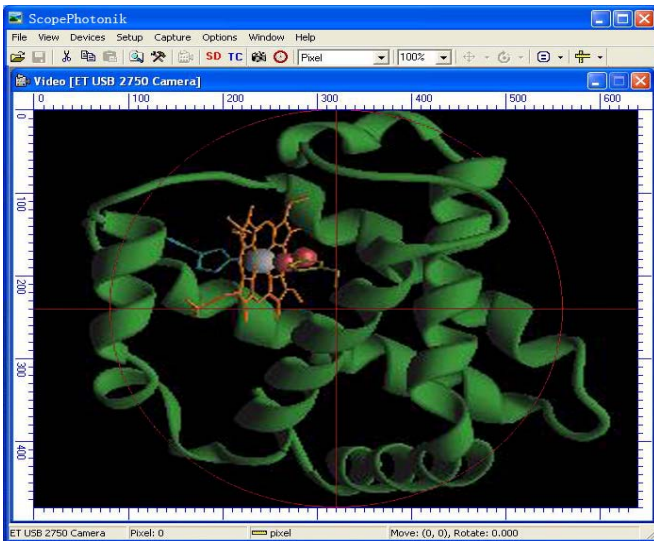


# High Resolution Digital Color Camera

**P/N: PDC3000 (USB2.0)**

**PHOTONIK<sup>hv</sup>**

Our Digital Camera **PDC3000 (USB2.0)** is professionally designed for microscope with 3.0 mega pixels and USB2.0 interface, which can fit with various optical microscopes in the market, such as biological microscope, metallurgical microscope and stereomicroscope, etc.



Specifications PDC3000 (3.0M pixels, USB2.0)	
<b>Image Sensor:</b>	CMOS, 1/2 inch, 3M pixels, offering color image
<b>Resolution:</b>	2048 X 1536 pixels (3M pixels) max.
<b>Preview Speed:</b>	≤11 frames/sec. at 2048 X 1536 pixels ≤20 frames/sec. at 1280 X 1024 pixels ≤25 frames/sec. at 800 X 600 pixels The speed also depends on the PC's performance.
<b>Pixel Size:</b>	3.2 μm × 3.2 μm
<b>Wavelength:</b>	Range from 400nm to 1000nm
<b>Sensitivity:</b>	1.0V / lux-sec@550nm Exposure ERS (Electronic rolling snap)
<b>White Balance:</b>	Automatic / manual
<b>Auto Exposure:</b>	Automatic / manual
<b>Image Output:</b>	USB2.0, 480Mb/s
<b>Power Supply:</b>	USB2.0
<b>Dynamic:</b>	62dB
<b>Programmable:</b>	image size, brightness, gain, exposure time
<b>Working Temp:</b>	0° C - 50° C
<b>View Field:</b>	Inscribed rectangle of dia.18 mm
<b>Mounting Port:</b>	Microscope ocular-tube or photo-tube
<b>System:</b>	Windows 2000 / Windows XP, Computer with USB2.0 port
<b>Mini Disc:</b>	Driver Software <b>ScopePhotonic</b>
<b>Accessories:</b>	Two adaptors (dia.30mm, dia.30.5mm, one each) for stereo microscope
<b>Camera Size:</b>	Blackened metal body of cylinder shape dia.60 mm



**PDC3000C**  
Std C-Mount Version



**PDC3000M**  
Microscope Version



Applicable to Any Ocular-tube or Photo-tube

In principle, **PDC3000 (USB2.0)** is a novel optical system, the design of which is fully thin-film coated, based on MTF (modulation Transfer Function) analysis, to improve image flatness and contrast. Even the periphery of the field will give good view by **PDC3000 (USB2.0)**.

It works effectively if combined with plan-achromatic objective. Especially, this design suits to many microscope features, such as the field of view of eyepiece WF10X-18mm and the objective par-focalization.

**PDC3000 (USB2.0)** is to be inserted directly into the ocular-tube or the photo-tube interface.

With suitable adaptors, it is also workable on a stereomicroscope, or C-mount in-line microscope assembly tube...

**PDC3000 (USB2.0)** makes the image with excellent true color.

If the microscope adapted with **PDC3000 (USB2.0)** is earthed definitely, the metal body of the camera ensures wonderful anti-interference.

## Contact Information:

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