

# Re: New microscope for DIC brightfield and darkfield imaging

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- *From:* [runarwh@xxxxxxxx](mailto:runarwh@xxxxxxxx)
  - *Date:* 23 Apr 2007 03:09:02 -0700
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Does Nikon have LabView instrument drivers? I have found the driver to Olympus on ni.com, but not for Nikon. We have site license for pretty much all software from NI.

Also, suddenly Zeiss wants to sell microscopes. They have now changed their organization and sells microscopes directly to customers. I will check their offerings later this week. They claim that they will be competitive also on the price. Does anyone have comments on the Axio Imager?

– Runar

On 18 Apr, 23:39, dbarnes...@xxxxxxxx wrote:

On Apr 17, 7:45 am, "Kevin Cunningham" <sms...@xxxxxxxxxxxxxxxx> wrote:

<runa...@xxxxxxxx> wrote in message

[news:1176799769.157731.306830@xx](mailto:news:1176799769.157731.306830@xx)

The 5Mpix makes sense only at low magnification. Part of our work is documentation and quality control, where lower magnification (5x, 10x, 20x) will give a trade-off between spatial resolution and larger field of view. For the details we use 100x objectives, but then we don't need the 5mpix. However we don't want more than one camera on the microscope.

Re: New microscope for DIC brightfield and darkfield imaging

Does anyone has comments on the objectives? Olympus use plan fluorites. Nikon does not use this term anymore, but claims that the optical performance is the same and that they have moved away from the term "fluorite" after they changed some processes? Nikon claims that their objectives are better than the Olympus plan fluorites.

Nikon and everyone else has switched from native flourite to man made imitations. The imitations have all sorts of advantages, the biggest one is the different types. I've seen the objectives your talking about and I like them. A lot.

Another consideration is my experience with Olympus Industrial is unbroken failure. The Olympus is a good instrument but the service is awful, just hiddeous. Now, I only know Olympus Industrial in America and Europe, other places they might be fine. Now Olympus bio is just fine.

Thanks,

Kevin Cunningham  
SMS

On Apr 17, 10:29 am, heini  
<buerg...@xx>  
wrote:

Hi,  
I am not familiar with color photography in microscopy.. as a fluorescence microscopy user I alwas use B/W cameras.  
So first question: what magnifications do you use? 5 Mpxis far too much if you want to go real close. Good, that these cameras do have

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binning at least. I posted a calculation explaining why more than 2 mpx make hardly sense in light microscopy in this forum before.  
(considering you are using objectives higher than ~40x)  
Maybe check out Pixelink, too.

yours, Heinrich

Cameras: CIII (Olympus  
AnalySIS)  
or QImaging micropublisher  
(ImagePro/  
Nikon)– Hide quoted text –

– Show quoted text –

Megapixels and pixels size should not be confused. QImaging has a 4 MP camera with 7.4 micron pixels and 3/5 Mpixel cameras with 3.4 micron pixels (as does almost everyone). And then it depends upon the coupler magnification as to what the projected pixel size really is.

David Barnes/ QImaging