

Re: CMOS or CCD on digital camera ?

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Michael Toms wrote:

> *Can one do the same with a standard SLR B&W film by scanning three*
> *pictures taken in RGB? How do you combine them?*

>

>

Yes. Its done all the time. Particularly so with fast system. Including Schmidt Cameras. The trick is to use a film that has exceptional grain and sensitivity at the "colors" that you are imaging. For most B&W films the problem is the red. Few B&W films have decent red response and reasonable reciprocity rate. The lone exception to this is Tech-Pan which has truly exceptional grain and red sensitivity and the reciprocity can be tamed by hypering the film and judicious use of pre-flash. The resultant images can then be scanned and "registered" using a software program such as Registrar and then combined in Photoshop or Picturewindow or MaximDL.

The trick with this is adjusting the exposures so that you get a natural looking image. Most filters have varying transmissivity and the lengths of exposures are not the same. CCD is less tender in this regard due to the nature of the detector itself.

Of course all of this is a moot point since the only decent B&W Astro film is being discontinued by Kodak.

Regards

Bill