It is no surprise that the CCD’s best performance is with a single long exposure. What may be surprising is the Kepler KL4040 CMOS camera has a better signal-to-noise ratio than the PL16803 even with a single long exposure. The signal-to-noise ratio of the KL4040 is better than the PL16803 even when using short exposures that are stacked!

The benefit of taking multiple short exposures is the option to discard a bad exposure ruined by satellite trails, tracking errors, or bad seeing (etc.). Incredible low-noise images are now possible with a single long exposure or many stacked short exposures. The KL4040’s superior performance allows it to be used for a wide range of applications and requirements.

At Finger Lakes Instrumentation, we design and build unrivaled CMOS and CCD cameras, filter wheels, and focusers to pave your way to success—whichever path you choose. Designed and manufactured in New York, USA.

Visit us at flicamera.com for more information about our cooled CMOS and CCD cameras, focusers, and color filter wheels.

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