



Mike Gazes <mike@chromationspec.com>

LIS-770i Vout-Vref question

Mike Gazes <mike@chromationspec.com>

Wed, Jan 20, 2016 at 12:39 PM

To: Ketan Karia <Ketan.Karia@dynamax-imaging.com>

Cc: Nadia Pervez <nadia@chromationspec.com>, Mike Sullivan <michael.sullivan@dynamax-imaging.com>

Hi Ketan,

I have another LIS-770i question. Page 5 of the datasheet says:

The exposure time is calculated from the time RST is clocked to the time RST is brought low.

Should the clock be running during this time? The timing diagram in Figure 4 shows the clock is off, but the oscilloscope capture in Figure 6 shows the clock is running.

[Quoted text hidden]

—

Mike Gazes

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**Mike Gazes** <mike@chromationspec.com>

LIS-770i Vout-Vref question

Mike Gazes <mike@chromationspec.com>

Wed, Jan 20, 2016 at 12:42 PM

To: Ketan Karia <Ketan.Karia@dynamax-imaging.com>

Cc: Nadia Pervez <nadia@chromationspec.com>

And following up with that question, the datasheet then says:

Once RST is brought low a synchronization signal (SYNC) pulse is fired starting on the next falling clock edge. Pixel readout then begins on the next rising CLK edge after the SYNC signal goes low.

Does this mean I have to read the data as soon as the integration period ends? Or is it possible to end the integration period and then wait an arbitrary amount of time before restarting CLK to perform the data readout?

[Quoted text hidden]

**Mike Gazes** <mike@chromationspec.com>

LIS-770i Vout-Vref question

Ketan Karia <Ketan.Karia@dynamax-imaging.com>

Wed, Jan 20, 2016 at 2:55 PM

To: Mike Gazes <mike@chromationspec.com>

Cc: Nadia Pervez <nadia@chromationspec.com>, Mike Sullivan <michael.sullivan@dynamax-imaging.com>

Hi Mike,

Yes, CLK is running during exposure time.

Yes, You have to read data as soon as the integration period ends.

Thanks,

Ketan Karia

Dynamax Imaging, LLC

From: Mike Gazes [mailto:mike@chromationspec.com]**Sent:** Wednesday, January 20, 2016 12:42 PM**To:** Ketan Karia**Cc:** Nadia Pervez

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