






# Imager 3001 - Celox




**Our fastest camera ever, from ISI speeds to 1 kHz VSD imaging!**

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 Unsurpassed system for turnkey VSD imaging at rates up to 1 kHz - *in-vivo* or *in-vitro*.
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 Resolution of 1312x1082
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 Many camera options, for a very wide choice of speeds and binning options.
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 Lab interface with 24 BNC connections to your other lab equipment, for total flexibility.
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 Affordable price – \$59,000



The **Imager 3001 - Celox** is targeted at users who need high speed kHz imaging of voltage sensitive dye signals. It has a camera with a large sensor that runs full frame at 108 Hz, and has optional modes allowing operation to 1 kHz (e.g. 544x244) and beyond. Flexible online binning lets you create images of high s/n while running at high speeds.

## Extensive Software Support

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**VDAQ** – episodic data acquisition, as master or as slave to a behavior control system. On-line feedback. The gold standard in brain imaging.
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**LongDAQ** – hours of continuous recording - limited only by disk speed and space.
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**WinMix utilities** – flexible and rapid off-line analysis.

## Camera Specifications

<b>Max. Resolution</b>	1312x1082
<b>Max. Data Rate</b>	306 MB/sec
<b>Well Depth</b> per pixel	0.1M e-
<b>Well Depth</b> for 100X100 super pixels (13x11 binning)	15.6M e-
<b>Bit Depth</b>	10 or 12 bits

## Some Frame Rates and Resolutions

<b>100 Hz</b>	1312x1082
<b>250 Hz</b>	768x768
<b>500 Hz</b>	544x520
<b>750 Hz</b>	544x324
<b>1000 Hz</b>	544x244

*The best turnkey system for both fast VSD imaging and intrinsic imaging.*

*Note: all specifications are subject to change without prior notice.*

[www.opt-imaging.com](http://www.opt-imaging.com)