

This Month's Special Highlights

USB2 Cameras

5Mpx Color cameras from Lumenera at less than \$1200

1.3Mpx 30 fps camera from Lumenera at less than \$1000

A 1.6Mpx Slow Scan cooled Camera from www.dta.it Available as DEMO

Ultra Fast Cameras

Streamview LR low cost Ultra fast camera solution

Review on Gigaview camera at <http://www.lucidmovement.com/?p=108#more-108>

Ruggedized Transportable PC with 2 X 800 GB for recording from two cameras simultaneously or 1 x 1.6Tb for max recording time from one camera.

Light sources

NEW Metal Halide based Microscope illuminator at \$5400 + \$500 for an optional microscope adaptor (more details below) from www.chorma.com

New Manual Solar simulators from www.abet-technologies.com

LED based light engines from www.illuminationtech.com

Halogen based light engines from www.illuminationtech.com

Ring-lights and other fiber based solutions from www.illuminationtech.com

Backlight

Off the shelf and custom LED Backlight solutions from www.illuminationtech.com

Photomultipliers

High Q.E. red PMT for laser induced fluorescence applications

Cleaning

Photonics Cleaning liquid now also available in spray form.

PLC Splitters

TOF

A novel Micro-Well MALDI Target. This technology and product will be further developed and prototyped with MALDI TOF manufacturers and others over the coming months and more information will follow. More info at <http://www.burle.com/resistivglass.htm>

News from IL Photonics:

IL Photonics can accept Master-Card, Isra-card and American Express Credit cards, ask for more details.

New Catalogs

Ask for your hard copy of any of below fresh catalogs, by replying to this message and writing in the subject line: "Send xxx Catalog", xxx being one of the below.

- Fiber and Illumination
- Photomultipliers

FEATURED COMPANY

www.chroma.com

Company Profile

Chroma Technology Corp. is a manufacturer of interference filters for the ultra-violet, visible and near-infrared portions of the spectrum, including bandpass, multiple bandpass, and long and short pass filters, as well as beamsplitters, dichroic mirrors and laser rejection filters. We specialize in precision spectral control, including extra high signal-to-noise ratio filters and those with rapid cut-on and cut-off profiles. The manufacturing process involves precisely depositing, in a vacuum, extremely thin layers of two or more materials on a glass or similarly transparent substrate.

Handbook

This guide is a compilation of the principles and know-how that the engineers at Chroma Technology Corp use to design filters for a variety of fluorescence microscopes and applications, including wide-field microscopes, confocal microscopes, and applications involving simultaneous detection of multiple fluorescent probes. Also included is information on the terms used to describe and specify optical filters and practical information on how filters can affect the optical alignment of a microscope.

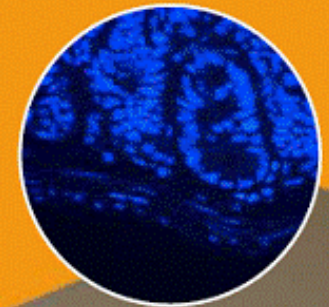
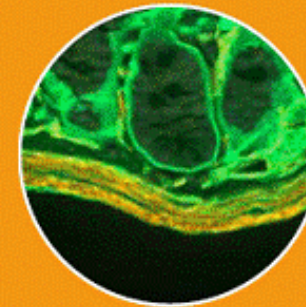
Full power across the spectrum

Chroma Technology Corp, trusted leader and innovator in optics for fluorescence microscopy, introduces the PhotoFluor, a next generation high output light source for fluorescence microscopy.

The PhotoFluor combines a powerful metal halide lamp with a sputtered heat-blocking optic to deliver excellent light output across the spectrum. With a 1500 hour lamp life and a pre-aligned light engine, the PhotoFluor's performance exceeds that of a 100 W mercury lamp.

Features:

- Sputter coated hot mirror for better UV output
- 1500 hour lamp life
- "Smart" machine automatically extends lamp life with stable output
- No alignment needed
- Five position discrete neutral density wheel
- Quiet cooling with no vibration to bench
- Easy to use display and user interface
- UV output and peaks of a mercury source
- 5 mm liquid light guide for high output



[Download Handbook PDF](#)



PRODUCING THE WORLD'S FINEST OPTICAL FILTERS AND FILTER SETS

Ask for more info on this illuminator, by replying to this message and writing in the subject line:
"Send Microscope Illuminator Data"

GFP Catalog

The GFP brochure describes most of the filter sets that we have developed for viewing and imaging the various GFP mutants. For each filter set we have provided a spectral trace and, when applicable, a note on the unique quality of that set. Chroma's filter designs will keep pace with the rapidly emerging applications. Please contact us if our filter set lists do not contain the combination that you require.

[Download GFP Catalog PDF](#)

Astronomy Catalog

[Capability Brochure PDF](#)

Chroma has been manufacturing filter for Astronomy application for more than a dozen years. We have made these filters to customer specifications for end users and/or resellers worldwide for amateur and research applications.

Application Notes

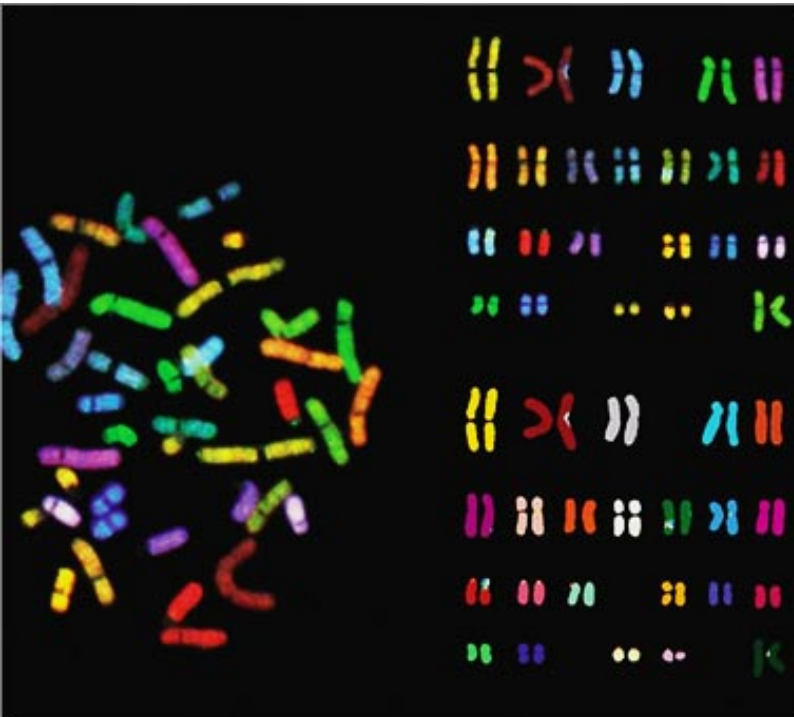
In Chroma Technology's twelve years of providing filter sets and custom filter solutions, our company has been associated with many important researchers and varied projects. The situations presented at the left are just a few examples. http://www.chroma.com/index.php?option=com_content&task=view&id=23&Itemid=39

Image Gallery

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SLIDE SHOW

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Photonics with Know How
