

PLUTO's in the news again: Spatial Light Modulators by HOLOEYE

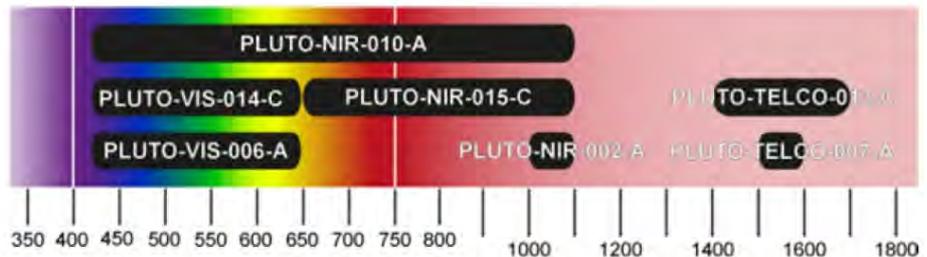


PLUTO phase-only SLM panels from **HOLOEYE** are optimised for use in different wavelength ranges, use fast full digital addressing for high reliability, and come with a compact driver unit.

Alongside the standard PLUTO-VIS and PLUTO-NIR there are special high retardation (-HR) models available. These show considerably higher phase retardation compared to the standard panels. The high retardation models can enable mod 4π or even mod 6π , which can be of benefit for applications such as wavefront generation.

Other applications may require a stable phase response, and this can be accomplished using the high retardation panels and driving the panels with lower voltage settings for 2π phase retardation. Response times in this instance are reduced, but phase stability is significantly enhanced.

A summary of the models is shown in the graphic below, but do **contact us** for more detailed product specifications, and information about HOLOEYE's other SLMs, kits and diffractive optics.



Device	Wavelength Range	Fill Factor	Comment
PLUTO-VIS-014-C	420 – 650 nm	92 %	
PLUTO-VIS-006-A	420 – 700 nm	87 %	High Retardation Version
PLUTO-NIR-010-A	420 – 1100 nm	92 %	
PLUTO-NIR-015-C	650 – 1100 nm	92 %	High Retardation Version
PLUTO-NIR-002-A	1000 – 1100 nm	87 %	
PLUTO-TELCO-007-A	1520 – 1620 nm	87 %	
PLUTO-TELCO-013-C	1400 – 1700 nm	92 %	

Ultra-fine screw pitches up to 508 TPI aid adjustment



Kozak Micro manufactures super-smooth adjustment screw sets with threads as fine as **508 TPI (0.05 mm pitch)**. Available through Elliot Scientific in the UK and Ireland, these adjusters can be purchased in single or OEM quantities.

Proprietary manufacturing on a variety of customised machine tools enables Kozak Micro to produce adjusters in a range of pitches that are superior to industry standards. Thread classes exceed the highest 3A-3B Unified Thread Standard (UTS) by as much as 50%.

Elliot Scientific offers 6 imperial and 4 metric thread pitch ranges of matched-set micropositioning adjustment screws and unbraked bushings that deliver the highest precision and smoothest movement by far for the most demanding of applications.

Contact us now for more information.



508
DPI

Robust microscope platform offers precision alignment of instrumentation



The **RM21™** is described by **Mad City Labs** as a *Microscope Platform for the Future*, because the precision aligned RM21™ is designed for maximum user accessibility - a feature that offers opportunities to develop flexible configuration instruments with ease.

With a robust design, precision manufacturing and assembly, the RM21™ is the ideal platform for a range of microscopy applications such as super resolution (SR) microscopy, fluorescence microscopy and TIRF. Easy alignment of microscopy and optical components is achieved within its three dimensional space as all posts and fixturing points are referenced to a known datum.

The RM21™ includes a precision platform and an axial, motorised Z-axis suitable for lens positioning. The Z-axis has a displacement of 50 mm (2") with a 95 nm step size and 50 nm repeatability. An encoder option is also available. For more information, please **contact us**.

International Year of Light: Events to end of September



INTERNATIONAL
YEAR OF LIGHT
2015

Glass Reflections, "Glass in the Year of Light"

Cambridge: September 7th to 9th

Supramolecular Photochemistry: Faraday Discussion

Cambridge: September 15th to 17th

Future Light Technology and Human Health

Guildford: September 20th to 23rd

☀ *Need to measure light or colour?* Then have a look at **Gamma Scientific**

Stability under load is a Kinetic Systems forté



Kinetic Systems has been at the forefront of the vibration isolation and optical table market in the US for over 30 years and is a world leader in the development and application of advanced LF vibration control systems that provide vibration-free work environments for sensitive equipment.

Elliot Scientific routinely solves a wide variety of complex vibration isolation problems for our customers in applications as diverse as metrology, medical research, laser R&D and semiconductor manufacturing.

Find out how a **Kinetic Systems' solution** can help you by **contacting us** today.

Next month, meet Elliot Scientific at...



QuAMP 2015

September 2nd to 3rd: Brighton



Laser World of Photonics India

September 9th to 11th: New Delhi



Quantum UK 2015

September 28th to 30th: Oxford



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2014
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