

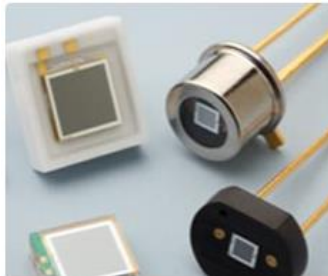
# Innovando con tecnologías fotónicas: Inspección textil

La experiencia de Hamamatsu

# Hamamatsu Photonics, desde 1953 en Japón y 1991 en España



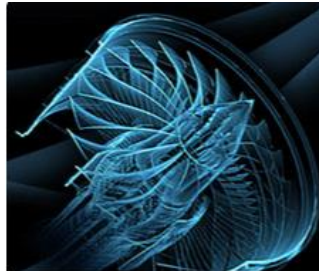
Akira Hiruma, President and CEO



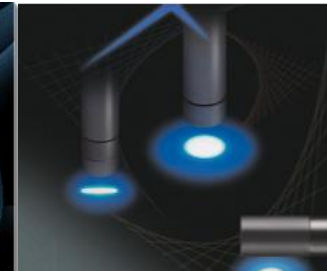
Si Photodiodes



Infrared Detectors



X-ray NDT



UV Curing



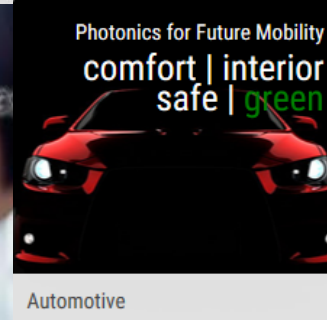
Mini-spectrometers



Photomultiplier Tube Modules



Medical  
in Life Photonics



Photonics for Future Mobility  
comfort | interior  
safe | green

Automotive

# Muchas posibilidades de detectar ópticamente

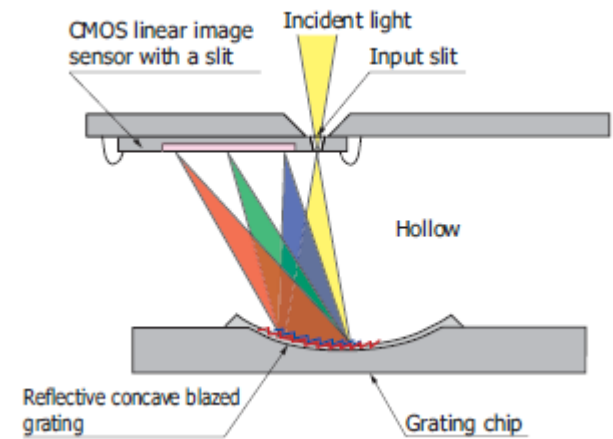
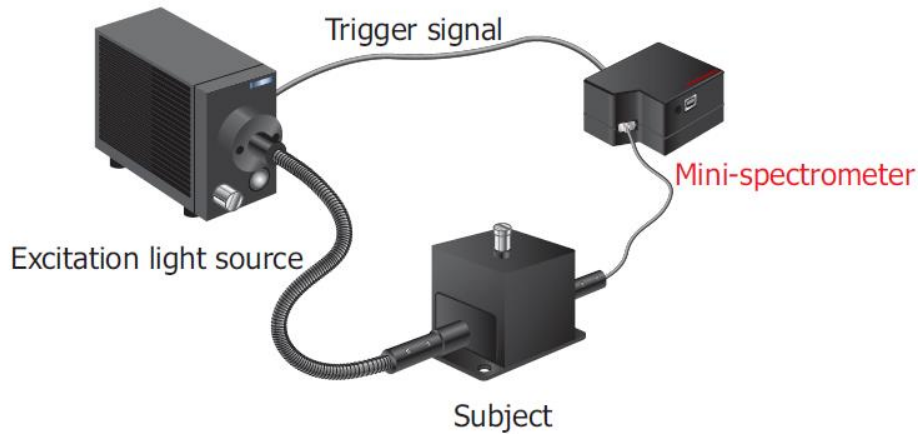
- Demiconductor o de vacío
- X-ray, UV, VIS e IR
- Tan sensible como un fotón
- Más rápido que ps
- Imagen
- Espectral
- Lámparas
- LED
- Laser

The screenshot displays the Hamamatsu website interface. At the top, the logo and tagline 'PHOTON IS OUR BUSINESS' are visible, along with language options (Japanese, English) and navigation links (Contact, Site map). A red navigation bar contains links for 'All products', 'Support', 'Technology', 'About Hamamatsu', and 'Investors'. Below this, a grid of featured content includes:

- Areas of Interest** and **Products in Focus** navigation buttons.
- Automotive**: 'Photonics for Future Mobility' with sub-points 'comfort | interior safe | green' and an image of a red car.
- Life Science Camera**: 'ORCA-Flash4.0 V3' with the tagline 'You can advance your science' and an image of the camera.
- Whole Slide Imaging**: 'NanoZoomer S360' with an image of the device.
- Drug Discovery Solutions**: Image of two scientists in a lab.
- IR LEDs**: Image of glowing fiber optic cables.
- Hamamatsu Fairs and Events**: A list of events:
  - GIANT Health Event: 2017/11/28 in London, United Kingdom
  - Ncardia Workshop 2017: 2017/11/29 in BioCampus Cologne, Germany
  - Digital Pathology Congress: 2017/11/30 in London, United Kingdom
  - MIC Symposium: 2017/12/09 in Bern, Switzerland
- X-ray NDT**: Image of a blue wireframe structure.
- Optical Sensors Hub**: Image of a sensor chip with the text 'We're here to help you innovate'.
- LCOS - Spatial Light Modulators**: Image of a square device with a blue square in the center.
- Hamamatsu News**: Image of a newsletter titled 'HAMAMATSU NEWS'.

A red chat bubble on the right side of the page contains the text: 'Hi there! Do you need some support? I'm happy to help you.'

# ¿De qué color es?

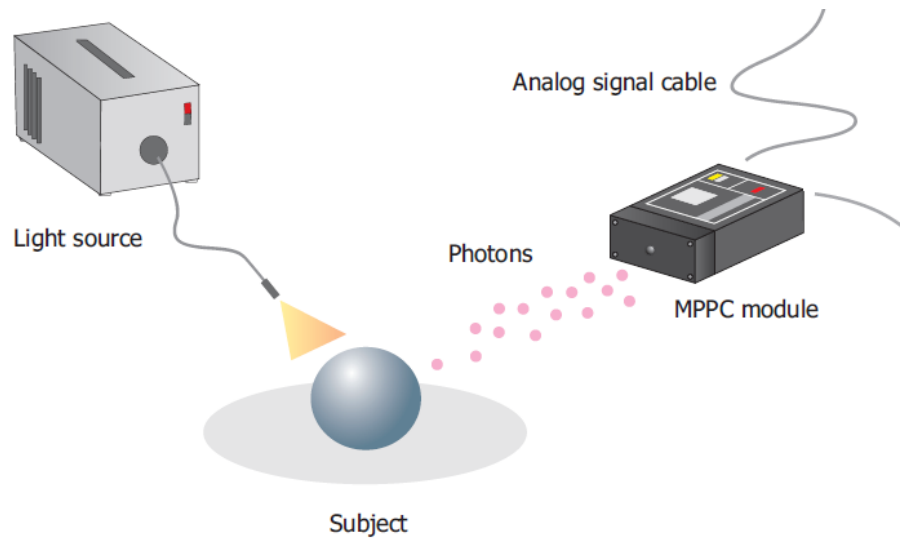
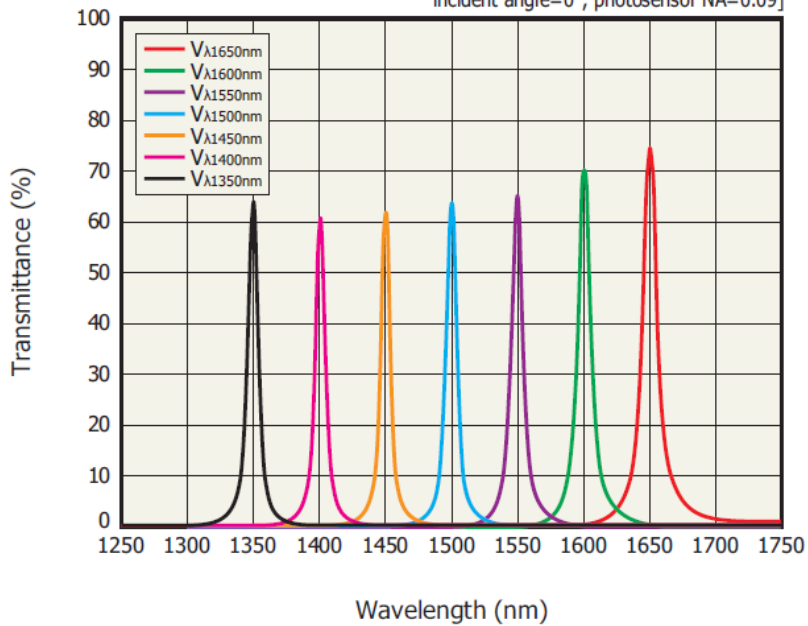




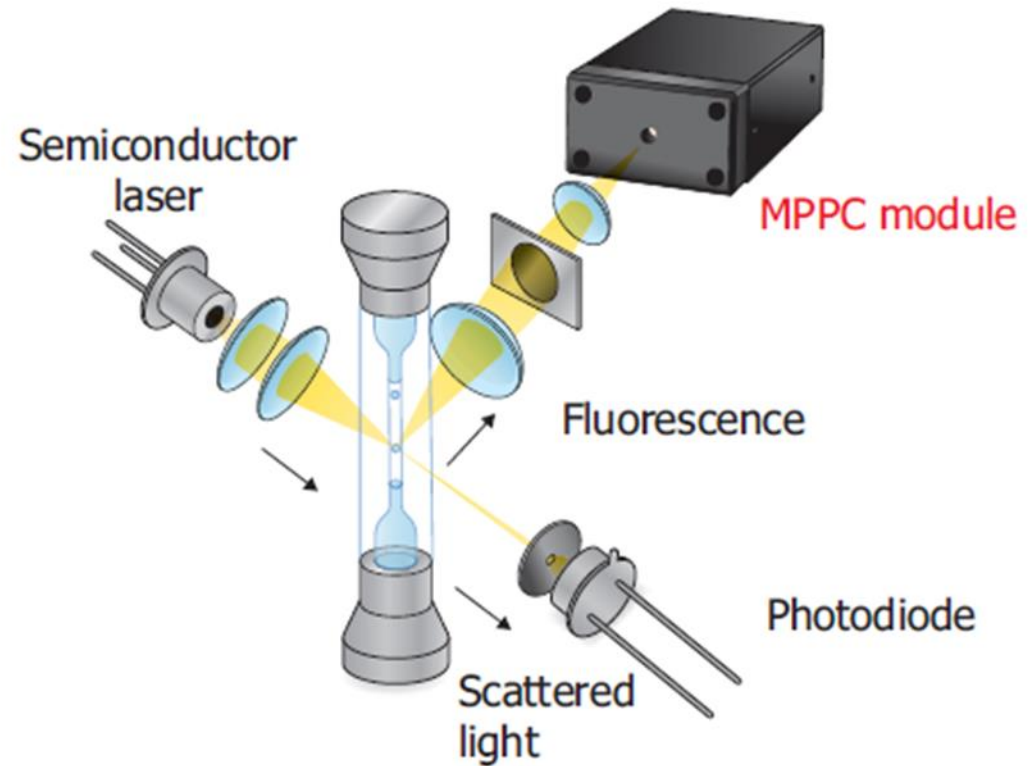
# ¿O necesito en el infrarrojo?



[Ta=25 °C, input line spectrum, line spectrum resolution (FWHM)= 3 nm max., incident angle=0°, photosensor NA=0.09]



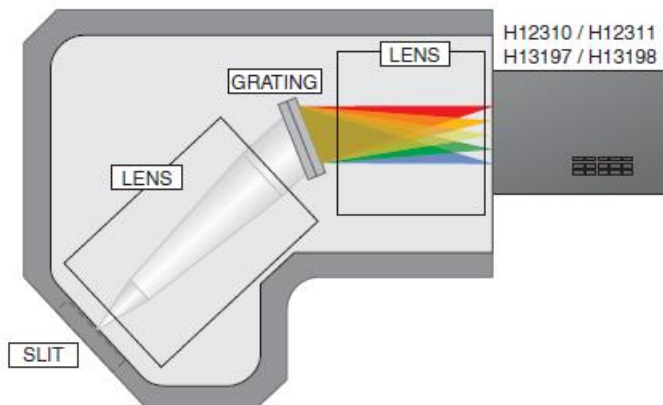
## ¿Análisis por fluorescencia?



## ¿Y necesito el espectro en la fluorescencia, o alta velocidad?



■ Block diagram



Tiempo respuesta: ps

Espectro UV-VIS-NIR

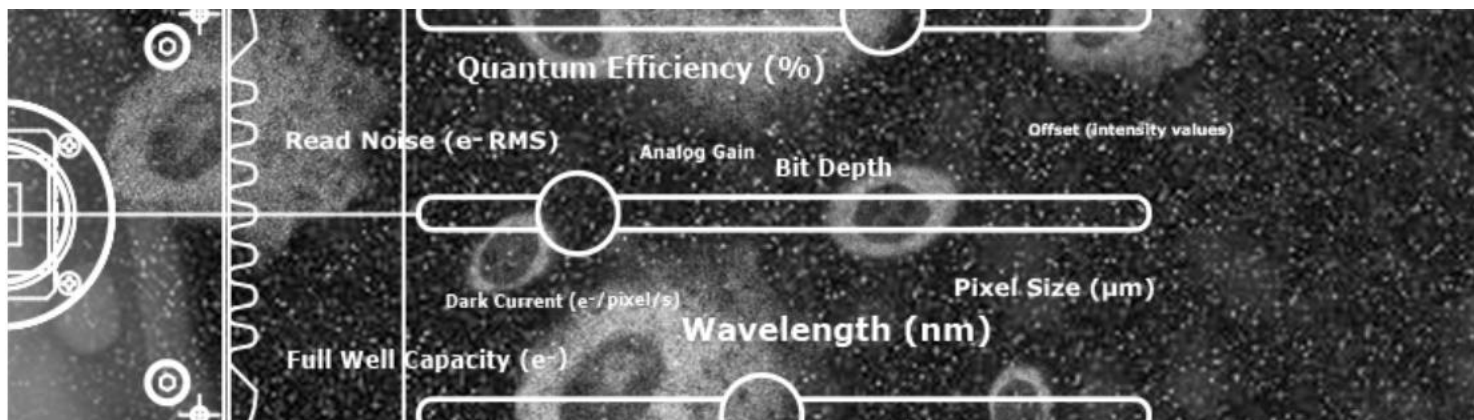
Detecta desde 1 fotón (fluo)

+ información espectral

## ¿O necesito la imagen?



Especialmente para  
fluorescencia o UV o NIR





Gracias

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[www.hamamatsu.eu](http://www.hamamatsu.eu)

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