

## Integrated RGB light engine for AR headsets

### Performance specifications

#### Optical power for any headset architecture

Available in low power and high power versions for different headset configurations including waveguide glasses and direct projection.

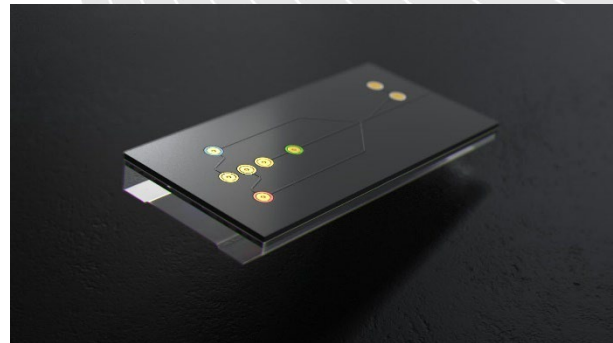
#### Standard RGB wavelengths

- 637nm, 520nm, 450nm
- Other options available
- Additional IR wavelength for eye tracking

#### Control over mode field properties

Ideal coupling of light to co-integrate module with MEMS and other optical components.

- NA
- Circular/elliptical
- $M^2$



### Solderable and ready to integrate into your architecture

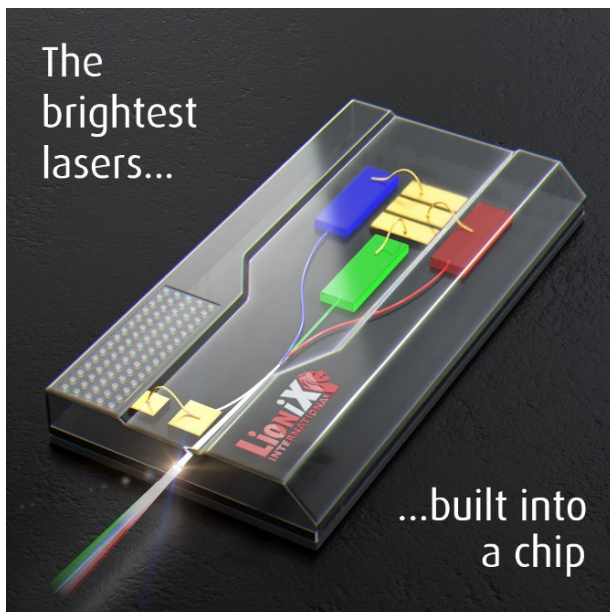
LioniX International specialize in complete integrated photonic solutions, enabling direct integration into your hardware.

- Guideline size: 4 x 7 mm, customizable
- Thickness 1-1.5 mm
- Electrical connections at bottom
- Hermetically sealed

### Scale to volume

Scale seamlessly into volume with waferscale, efficient lithography processes and automated assembly of bare optical components:

- Flipchip of laser diodes using laser welding
- Wirebonding
- Topglass with pockets



### The integrated advantage

With 20 years' experience in integrated photonic module development, we have applied our low-loss silicon nitride photonics to enable some of the most cutting edge imaging applications using visible light.

Combining long-standing expertise, leading material technology, product development expertise and scalable production capability, we are more than a module supplier, we drive your business.

Request a follow up discussion:  
[www.lionix-international.com/ar-engine/](http://www.lionix-international.com/ar-engine/)

Our chips drive your business

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