

Visualize Range

Safe, Low Cost Alignment Solutions for UV, Visible and NIR Radiation

Visualize products serve as invaluable tools for alignment, location and visualisation of laser radiation outside of the visible spectrum, using a phosphor based scintillator screen to convert ultraviolet and infrared light into visible light.

The **Visualize** range gives broadband yellow/red emission when exposed to light sources from blue through to NIR. This product is ideal for inspection of visible laser radiation from sources such as argon ion, HeNe and laser diodes when using laser protective eyewear. This low cost alternative to beam profilers detects IR at powers as low as 1 nW/cm².

VisualizeIR safely converts continuous wave or pulsed NIR into green or red IR light. Ideal for visualisation and alignment of NIR emitters such as Nd:YAG/YLF lasers, and for IR beams from laser diodes. There is no need to optically charge VisualizeIR, and more importantly, it will not discharge! There is a constant light output for steady light input, and will detect IR at powers as low as 175 nW/cm².

Finally, we have the **UVisualize** range, perfect for the detection of ultraviolet beams from pulsed UV and blue lasers. UV radiation is converted to visible yellow light when the card is exposed. Always ready for use, with no optical charging necessary. UV can be detected down to powers as low as 1 nW/cm².



Key Features

- Safe non-reflective encapsulation
- Unique no pre-charge systems for IR detection
- Non-fade during use
- Flexibility in use transmissive or reflective viewing
- High sensitivity

	Emission colour	Peak emission
visualize	red	660 nm
visualizeIR	green, red IR	560 nm or 900 nm
UVisualize	yellow	580 nm

All Visualize Products Come In Three Formats:

- **Laminated card** – low cost option, suitable for low power lamp and laser applications.
- **25 mm disc and clip on wand** – an ergonomic design for applications requiring frequent component positioning.
- **Optical bench mounted head** – ideal for beam profiling and laser alignment component positioning. 40 mm active area, mounted on a 12.6 mm post and post holder, with an adjustment range from 90 – 235 mm.

Card style	dimensions active area	86 mm x 54 mm ~4.5 cm ²	custom sizes on request
Disk and wand	disc OD active area wand	25 mm ~3 cm ² ~130 mm x 35 mm	optical mount compatible
Optical bench mounted head	head OD depth post diameter active area	70 mm 8 mm 12.6 mm ~12.6 cm ²	