

Visualize Range

Alignment products for use with UV, Visible, IR and NIR radiation

The excellent sensitivity of the phosphor based scintillators within our customisable Visualize range allow for reliable alignment of laser beams.



applications

Our Visualize range of laser detection products are acknowledged as a market leader in laser alignment.

Constructed using a phosphor based scintillator screen, in mounted and freestanding form, the Visualize range is used for the alignment of laser beam profiles by converting ultraviolet and infrared light into visible light for laser safety. Our manufacturing processes allow us to create a large area for ease of beam acquisition, especially useful in maritime applications.

We can custom brand the Visualize range to fit the needs of our customers.

product range

Visualize gives broadband yellow/red emission under stimulation from blue through to NIR sources.

VisualizeIR provides Infrared detection specifically for use with IR LEDs, IR laser diodes and Nd:YAG lasers.

VisualizeNIR enables easy detection of Near-Infrared light beams and focal points.

UVisualize offers excellent contrast and image clarity with long post stimulation persistence.

features

- Laser alignment and detection
- Safe, non-reflective encapsulation
- Non-fade during use
- High sensitivity
- Instant, high performance
- Customisable size & shape profiles

Visualize™ laser alignment detection products provide the following:

- Safe, non-reflective encapsulation
- Unique no pre-charge systems for IR detection
- High convenience and safety to cost ratio
- Ideally designed mounting systems to meet users need - card, wand or optical bench mount
- Non-fade during use
- Flexibility in use - transmission or reflective viewing
- Broad spectrum coverage at an appropriate wavelength whether protective goggles are being worn or not
- High quality service from an ISO90001:2008 registered company
- Custom design services if our standard product does not meet your needs
- Custom size and shapes, including disks and rings



absorption bands

Visualize	400 - 640nm	800 - 1700nm
VisualizeIR	920 - 1000nm	1450 - 1600nm
VisualizeNIR	440 - 560nm	600 - 1400nm
UVisualize	350 - 540nm	

specification

	PHOSPHOR TYPE	CHARGING REQUIRED FOR EMISSION
Visualize	Storage	Yes
VisualizeIR	Anti stokes	No
VisualizeNIR	Storage	Yes
UVisualize	ZnS: Mn	No

product styles

Credit Card Style	Dimensions:	86 x 54mm
	Active area:	23 x 42mm
Disc & Wand	Wand:	130 x 35mm
	Disc:	25mm
	Active area:	17mm diameter
Optical Bench Mount	Diameter:	70mm
	Thickness:	8mm
	Post diameter:	12.6mm
	Active area:	35mm diameter

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