

Laser Beam Visualizers

Laser beam visualizers are designed for conversion of invisible near IR radiation of pulsed and CW lasers in visible spectral range. The material of IRV-R and IRV-G is special ceramics with anti-stokes luminophores. The IRV-Q visualizers are made from organic polycrystals.

Model	IRV-R	IRV-G	IRV-Q	IRV-(RG)**
Allowable average density, W/cm ²	0.02 - 400	0.02 - 400	-	0.02 - 400
Allowable energy density, W/cm ²	0.02 - 1	0.02 - 1	0.1 - 1	0.2 - 1
Absorption band, nm	750 - 1085 1470 - 1600	850 - 1090	850 - 1400	
Emission band, nm	Red (650 - 690)	Green (540 - 560)	Green	Red - Green
Price for standard clear aperture 35 mm*	120 EUR/pc	120 EUR/pc	120 EUR/pc	150 EUR/pc

* - diameters 15...50 mm are possible by request

** - the first side is red (IRV-R), and the other side is green (IRV-G)

Advantages:

- high sensitivity
- high mechanical durability
- radiation resistance
- no radiation sources
- non-toxic under the influence of laser energy of high density