



Laser Beam Visualizers

Laser visualizers are designed for conversion of invisible near IR radiation of pulsed and CW lasers in visible spectral range. They reduce problems related with laser beam visualization, profiling and alignment in many applications.

The material of IRV-R and IRV-G – special ceramic with anti-stokes luminophores.

The IRV-Q visualizers are made from organic polycrystals that provides e. g. conversion of Q-switched and mode-locked laser in visible light of SH harmonic.

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 35mm*	120 €	120 €	120 €	150 €

*- 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