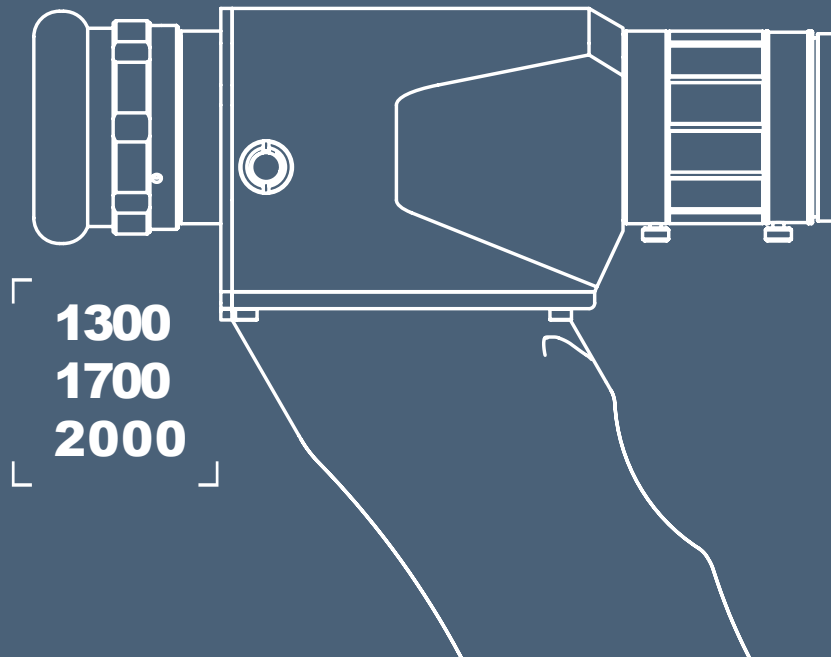


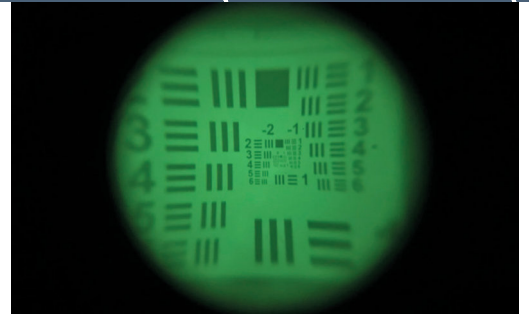
VIR

Infrared viewer

Converts
350-2000nm
radiation to visible



RoHs
CE



APPLICATIONS:

- Positioning and alignment of Nd:YAG, Yb:YAG, Yb:KGW, Ti:Sapphire, and other IR lasers
- Identification of stray IR reflections
- Observation of GaAs laser diodes, IR LEDs, dyes, and other IR sources
- Forensic analysis of inks and pigments

MAIN FEATURES:

- Wide spectral range 350 - 2000 nm
- Lightweight and ergonomic design
- High contrast and sensitivity
- Excellent image quality
- Hand-held / post mounted
- Compatible with C-mount lenses
- Charged via USB-C
- Pulsed and CW light detection without synchronisation
- Auto power-off after 2 minutes

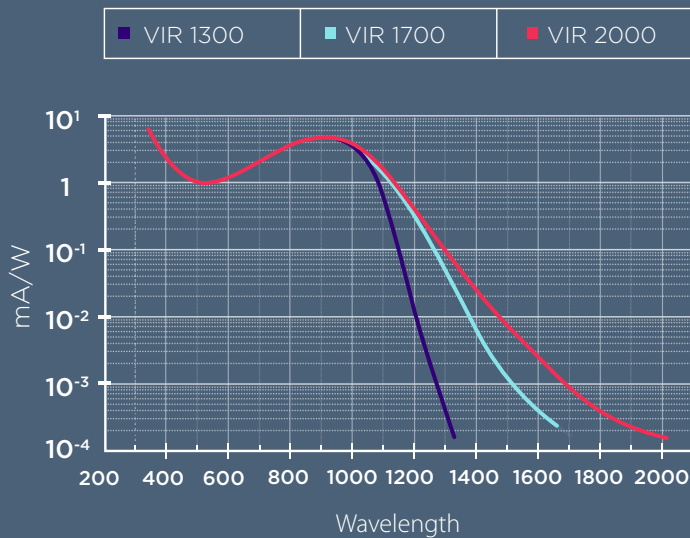
How does it work?

Infrared viewer focus emitted or reflected light from a chosen subject into the image tube where electron image is generated. When powered with battery the 16-18 kV voltage is generated required to accelerate the electron image into the output phosphor screen. The fluorescent green light output (550 nm) is observed via an adjustable eyepiece lens.

Accessories available

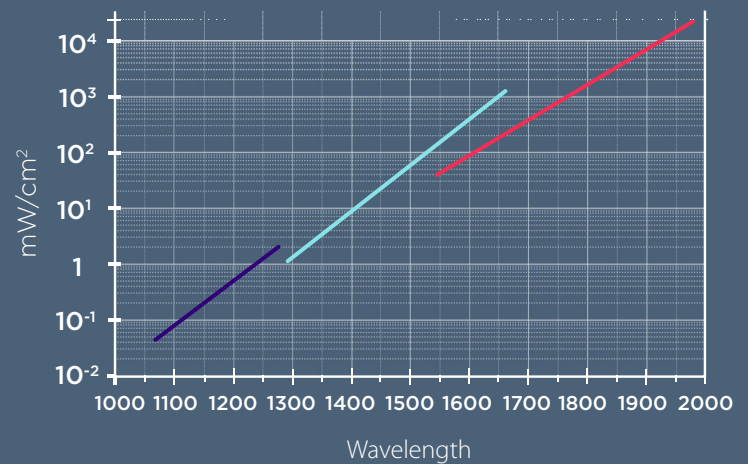
- Neutral density filter for lens 1X(0.5% @ 1064nm)
- Neutral density filter for lens 2X(0.5% @ 1064nm)
- Microscope adapter
- 1:1 Optical relay lens adapter for c-mount camera
- Video adapter VA-1
- Lens 1X(F1.4/25mm)
- Macro ring
- C-mount ring for any C-mount type lenses
- Tripod
- Lens 2X (F1.8/50mm)

< SPECTRAL SENSITIVITY



< POWER DENSITY

Approximate minimum power density required to view an infrared laser beam from a distance of one meter:



TECHNICAL INFORMATION

	MODEL 1X	MODEL 2X
<  SPECTRAL RANGE	VIR-1300-x (350-1300 nm) VIR-1700-x (350-1700 nm) VIR-2000-x (350-2000 nm)	
 FIELD OF VIEW	40°	20°
 MAGNIFICATION	1X	2X
 FOCUS	0.1 m to ∞	0.5 m (0.15m)* to ∞
Objective lens	F1.4/25 mm	F1.8/50 mm
Resolution (center)	60 Lp/mm	
Adjustable iris	Included	
Distortion of image	20%	
Cell battery	200 mAh 3.7V Li-Po	
Battery life fully charged	Up to 60 hours	
Weight without objective lens	0.316 kg	
Dimensions	153x173x51 mm	
Tripod or handle	R1/4"	
Temperature range	-10°C...40°C	

* with macro ring