海纳光学
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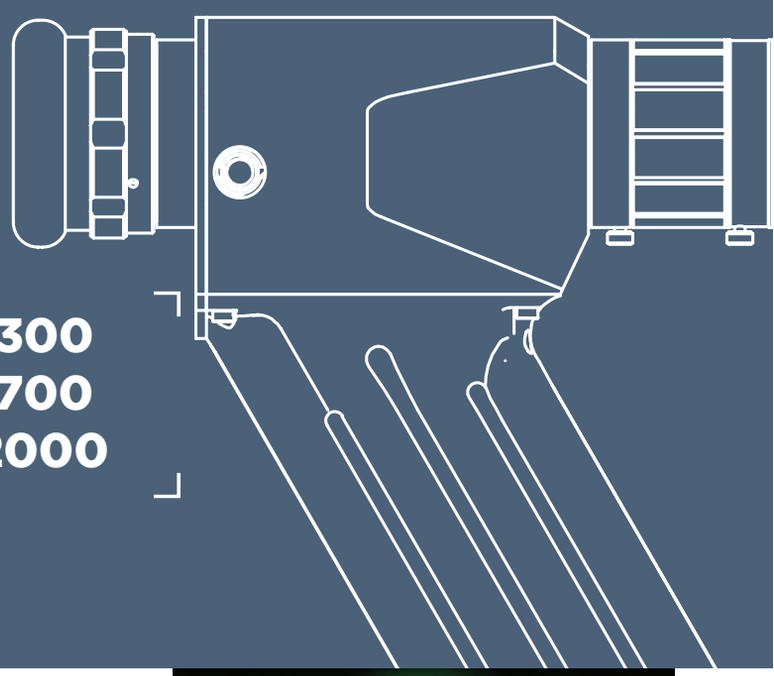
irvi infrared viewers

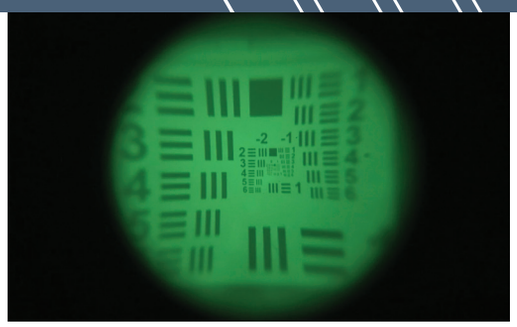
VIR series

Converts 350-2000nm radiation to visible

1300
1700
2000



RoHs
CE



APPLICATIONS:

- Location and alignment of Nd: YAG Yb:YAG, Yb:KGW, Ti:Sapphire and other IR lasers
- Identification of stray IR reflectations
- Observation of GaAs laser diodes, IR LED's, dye and other IR-sources
- Forensic analysis on inks, pigments

MAIN FEATURES:

- Wide spectral region 350 - 2000 nm
- Lightweight and ergonomic design
- High contrast
- High sensitivity
- Excellent image quality
- Hand-held / post mounted
- Works with C-mount lenses (with adapter)
- Charged via USB
- Pulsed and CW light detection without synchronisation
- Turns off in 2 min

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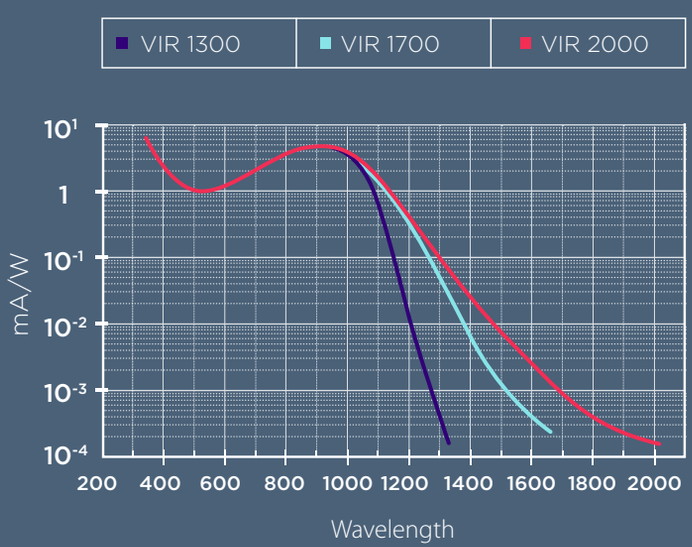
How does it work?

Infrared viewer focus emitted or reflected light from a chosen subject into the image tube where electron image is generated. When powered (with battery or power supply) 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

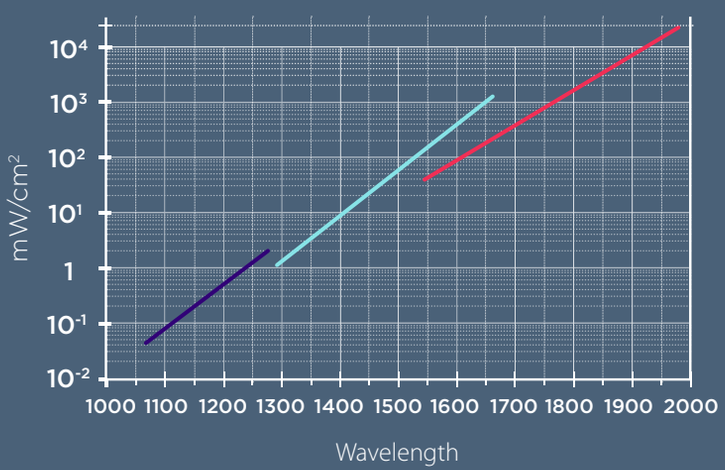
- Neutral density filter to lens 1X (3-5%@1064 nm)
- Neutral density filter to lens 2X (3-5%@1064 nm)
- Microscope adapter
- IR illuminator 850 nm or 940 nm
- C-mount Camera adapter
- Lens 2X (F1.8/50 mm)
- Lens 1X F(1.4/25 mm)
- Macro ring
- Analog video adapter

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%	
Battery life fully charged	50 hours	
Weight	0.4 kg	
Dimensions	153x184x51 mm	
Tripod or handle	R1/4"	

* with macro ring