

INFRARED VIEWER

- IR Response Through the Visible to Over 1300nm
- Bright, High Contrast Images
- Edge-to-Edge Sharpness
- Accepts C-Mount Lenses



Model IV-7826 is a high performance infrared viewing unit. It is designed for viewing radiation in the 400-1300nm spectral region. By properly focusing the macro objective lens, objects from 3" to infinity can be brought into sharp focus. At the heart of the viewer is a high-resolution image converter, which converts near infrared radiation to a bright green light (550nm), that is easily seen through the eyepiece. A 1/4-20 tapped hole is located in the base of the handle for easy mounting to a tripod or laboratory bench. Common applications include observing the radiation emitted by IR sources (such as GaAs, IR LEDs, and Nd:YAG lasers), laser beam alignment/inspection, and photographic dark room use.

SPECIFICATIONS	MODEL NO. IV-7826
Photocathode	S-1 (17mm OD)
Output Fluorescent Screen	P-20 Phosphor (6.8mm OD)
Output Resolution	>60 lp / mm
Spectral Response	400nm - 1300nm, peak response 800-850nm
Peak Emission Wavelength	550nm
Macro Imaging Lens	25mm f/1.3 multi-coated with manual iris
Field of View	40°
Object Distance	3" to Infinity
Objective Lens Mount	C-Mount
Dimensions	3.25 L x 3.25 W x 2.25 H (inches) 8 L x 8 W x 6 H (cm) (5.75" high including handle, 6.5" long including lens)
Weight	1.25 lb (570g)
Power Requirement	One 9V battery
Battery Life	Approximately 100 hours (20 hours continuous)
Ambient Temp. Limits	0°C to 40°C (32°F to 104°F)
Damage Threshold	<100mW/cm ² CW

*Model includes a 25mm objective lens, eyepiece, and 9V alkaline battery.

