

FIND-R-SCOPE Infrared Viewer with Illuminator Model 85100A and 85400A-5



Field of View :	40°
Magnification:	~ 1:1
Illumination:	900 nm LED source on viewer
Spectral Sensitivity :	350-1350nm
Lens:	Custom Infragon 25mm, f/1.0
Standard Focal Range :	100mm, (4") to infinity
Regions Displayed:	Near UV, Visible, Near-IR
Peak Sensitivity :	800nm
Resolution	70 Lines/mm, minimum
Display:	P20 Phosphor
Power:	(1) standard "C" cell alkaline battery
Battery Life : (Viewer only)	>250-hours int., >375-hours continuous
Sensitivity Test :	See 1350nm, 400µW LED @ 8-ft. See 1550nm, 350 µW LED @ 8-ft.
Operating Temperature	-32° to 46°C, (-25 to 115°F)

Printer Friendly Version

The FIND-R-SCOPE 85100A is a self-contained, hand-held Infrared Viewer with a built-in LED Illuminator and a spectral sensitivity of 350-1350 nm.

- LED Scene Illumination
- Self-Contained
- UL Approved
- High-Resolution
- Custom f/1.0 Infragon Lens
- User Adjustable Eyepiece
- Standard Tripod Mount
- Accepts Optional Filters
- Accepts Optional Lenses
- Accepts Optional Iris
- Accepts Optional CCD Mt.
- Includes Battery
- Includes Hard Side Case
- 18-Month Limited Warranty

Description:

The FIND-R-SCOPE® 85100A and 85100A-5 is a self-contained, hand-held infrared viewer operating in the near-infrared region of the spectrum. A high-resolution image converter tube, and high voltage power supply combine with proprietary Infragon objective lens and other precision optics to permit a clear view of objects or images which can not otherwise be seen by the naked eye. The unit also includes a permanently mounted 940 nm LED source for target illumination. The LED illumination is particularly helpful when working in areas that do not have normal lighting such as in photographic darkrooms or in lowlight surveillance environments. The FIND-R-SCOPE® has a wide variety of applications in many different industries. These applications are further expanded by taking advantage of the available accessories. The optional close-up lens allows for viewing within 2" to align and verify fiber optic sources. The infrared filters increase the signal-to-noise ratio by blocking visible light while inspecting infrared emitting diodes, aligning laser systems and examining art and other historic or legal documents. Other applications include low light surveillance, biological research, electrical maintenance, hot-spot detection, and clinical medicine.