

# FIND-R-SCOPE® INFRARED VIEWER

Photo courtesy of the University of Rochester



**FREE TRIALS  
TO CONFIRM  
APPLICATION**

## TYPICAL APPLICATIONS

- Inspecting infrared emitting diodes
- Aligning laser systems
- Fiber optic alignment & verification
- Detect IR leakage in optical systems
- Examining paintings & artwork
- Legal & historic document analysis
- Discreet nocturnal animal observation
- Aviation panel lighting testing
- Aviation LED testing
- Photographic darkrooms
- Hot-spot observation
- Biological/Biotech research
- Clinical medicine
- Forensics

## MODEL VARIATIONS AVAILABLE

- Standard models sensitive from 350-1350nm
- Optional models sensitive to 1550nm
- Laser Kit includes visible blocking filter & variable iris
- Models with C-mount lens capability
- Hands-free helmet mounted version
- Microscope mounted version

## ACCESSORIES

- Close focus lens attachment (*all models*)
- Visible blocking filter attachment improves signal-to-noise ratio when viewing near-IR
- Variable iris attachment
- Variety of mounting accessories
- Variety of IR & UV filters
- C-mount models: optional high-res, wide-angle, telephoto & zoom lenses
- Video relay & miniature C-mount camera (*provides video output of image*)

**TIME-PROVEN.  
USED BY MANUFACTURERS  
& LABS AROUND THE WORLD.**

The **FIND-R-SCOPE®** is a self-contained, hand-held **INFRARED VIEWER** operating in the near-infrared range of the spectrum. Ergonomic design combines image converter tube, high voltage power supply and precision optics to create a visible image for a clear view of objects which could not otherwise be seen with the naked eye.

- In stock & ready to ship
- Lightweight, 21 oz.
- Self contained & easy to operate
- Custom f/1.0, 25mm lens
- Powered by a single C-cell
- Up to 350 hours of continuous operation
- Tripod Mount
- Includes hard-sided, foam-lined carrying case

**FJW** Optical Systems, Inc.

MANUFACTURER OF INFRARED VIEWERS & CAMERAS

[WWW.FINDRSCOPE.COM](http://WWW.FINDRSCOPE.COM)

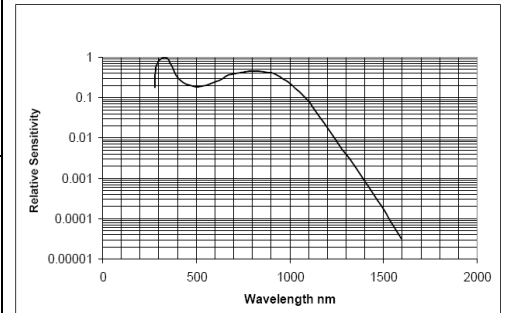
# FIND-R-SCOPE® “C” Series - Short-Form Instrument & Accessory List

*Effective November, 2016 – Subject to change without notice.*

Model #	Item	Description
84499C	Find-R-Scope® 1350 nm	Hand-held, self contained, monocular near-infrared viewer w/spectral sensitivity from 350 to 1350 nm. Sensitivity tested with 1350 nm light from a 400µW LED up to 4.5m (15-ft.). Includes 25 mm f/1.4 C-mount lens, ≈1x magnification, carrying case, battery, plus 12-month ltd. warranty. Accepts other C-mount lenses.
84499C-5	Find-R-Scope® 1550 nm	Same as 84499C except spectral sensitivity up to 1550 nm. Tested to view 1550 nm light from a 350µW LED at up to 2.44m, (8-ft.).
85268C	Find-R-Scope® Laser Package 1350 nm	Includes 84499C viewer, LP830-27 visible blocking filter, and CU400-27 close up lens. Save over separately purchased price.
85268C-5	Find-R-Scope® Laser Package 1550 nm	Includes 84499C-5 viewer, LP830-27 visible blocking filter and CU400-27 close up lens. Save over separately purchased price.
<b>C Model with optional 50mm lens</b>		
84499C2X	Find-R-Scope® 1350 nm 2X Kit	Same as 84499C except includes 50 mm f/1.8 C-mount lens in lieu of standard 25mm lens. The 50mm lens provides ≈2x magnification and focus range, of 1 m to infinity. Included CU400-30.5 close-up lens allows focus as close as 203mm.
84499C-52X	Find-R-Scope® 1550 nm 2X Kit	Same as 84499C-5 except includes 50 mm f/1.8 C-mount lens in lieu of standard 25mm lens. The 50mm lens provides ≈2x magnification and focus range, of 1 m to infinity. Included CU400-30.5 close-up lens allows focus as close as 203mm
<b>C Model Kit with both 25mm &amp; 50mm lenses and visible blocking filter.</b>		
84499C2XP	Find-R-Scope® 1350 nm 2X Plus Kit	Same as 84499C except includes 50 mm f/1.8 C-mount lens in addition to standard 25mm lens, visible blocking filter and step-up filter ring. The 50mm lens provides ≈2x magnification and focus range, of 1 m to infinity. Included CU400-27 close-up lens provides 203 mm M.O.D.
84499C-52XP	Find-R-Scope® 1550 nm 2X Plus Kit	Same as 84499C-5 except includes 50 mm f/1.8 C-mount lens in addition to standard 25mm lens, visible blocking filter and step-up filter ring. The 50mm lens provides ≈2x magnification and focus range, of 1 m to infinity. Included CU400-27 close-up lens provides 203 mm M.O.D.
<b>Optional IR Viewer Accessories</b>		
LP830-27	Visible Blocking Filter	830 nm longpass filter blocks visible light for better signal-to-noise ratio. (For 25 mm f/1.4, C-mount lens.)
LP830-30.5	Visible Blocking Filter	830 nm longpass filter blocks visible light for better signal-to-noise ratio. (For use on 50 mm f/1.8, C-mount lens.)
CU400-27	Close-up Lens	Lens attachment to allow viewing as close as 8" when installed on 25mm lens.
80385	Wrist Strap	Convenient wrist-strap which screws into all hand held viewers.

Product Specifications	
Field of View:	24°
Magnification	≈ 1:1
Standard Sensitivity:	350 to 1350 nm
Optional Sensitivities:	350 to 1550 nm
Peak Sensitivity:	800 and 350 nm
Focal Range:	0.5 m (19.7") to infinity
M.O.D. With CU400-27:	203mm (8")
Resolution:	40 lp/mm
Battery life:	>250 hrs continuous
Power Supply Life:	2500 hours.
Dimensions:	16.5 X 5.3 X 19 cm (6.5" x 2.1" x 7.5")
Weight:	590 g (21 oz)
Operating Temp:	-32°C to 46°C (-25°F to 115°F)

### Typical Spectral Response



Contact FJW or your distributor for many optional accessories.

- Bandpass Filters
- Longpass Filters
- ND Filters
- Mounting Accessories
- C-mount lenses
- And more!