

FIND-R-SCOPE - VIS, NIR & SWIR INFRARED CAMERA Model 85700



Spectral Sensitivity :	400-1800 nm (0.4 - 1.8 microns)
Output Signal :	NTSC or PAL Video, 1Vp-p composite
Detector:	25mm High Performance Infrared Vidicon
Output Connector :	BNC
Standard Lens:	"C" Mount 25 mm, f/1.4 with manual iris
Gain:	Selectable, Auto Gain and 4 fixed values
Standard Focal Range :	101 mm, (4") to infinity
Regions Displayed:	Visible, Near-IR, Near-Mid-IR
Peak Sensitivity :	600nm
Horizontal Resolution:	Up to 700 TV Lines
Scanning (NTSC):	525 Lines/60 Fields/30 Frames
Scanning (PAL):	625 Lines/50 Fields/25 Frames
Power:	100-240 Vac, 50/60Hz. 36 volts to camera
Signal to Noise Ratio:	68db
Image Lag:	45-60% after 3 TV fields (50ms)
External Connection:	RS-170 Video Output via BNC Connector
Dimensions (w/o lens):	110.3 x 111.2 x 216.4 mm

FIND-R-SCOPE Model 85700 Camera Operates in the Visible to Short-Wavelength Infrared Spectrum (400–1800 nm). Features Standard Monochromatic (B&W) Video Output. Camera includes Power Supply, 25 mm f:1.4 Lens and Carrying Case. (Camera above is shown with optional lens.)

- External On-Off Switch
- No External Processor Req'd.
- Auto/Manual Gain Control
- High-Resolution
- Antivignetting
- Gamma Correction
- Soft Peak White Clipping
- All Crystal Timing
- Accepts C-mount Lenses
- Auto Beam Current Reg.
- Illuminated On-Off Indicator
- Includes Ext. Power Supply
- H & V Sweep Fail Protection
- 1-Year Limited Warranty

Description:

The **FIND-R-SCOPE® 85700** is a Visible to Short-Wavelength Infrared Camera operating in the 400-1800nm region of the electromagnetic spectrum. These cameras utilize proven infrared viewing technology. The high resolution infrared vidicon tube CCTV camera generates a clear view of objects, sources & images which cannot otherwise be seen with the naked eye.

The camera can be easily mounted on a standard tripod. No external processing box is required. The video image can be viewed on any monitor that accepts a video input. The camera video output can be fed directly to a video recorder, or to a computer via a standard image acquisition card (frame grabber card).

This model carries the CE mark.

Typical Applications includes beam alignment from Invisible Sources, Surveillance and Covert Observation, Microscopy processing, Biological, Document Examination and Forgery Detection, Electronic Industry Applications (Detect stress patterns in silicon crystals and various semiconductor wafer materials.) Industrial Applications, Fine Art Analysis and Authentication