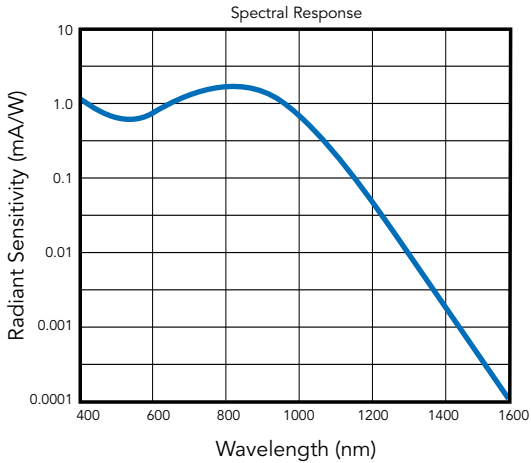


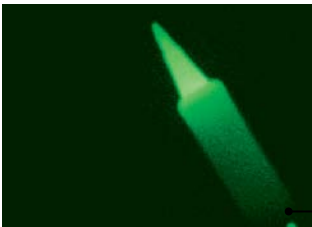


ElectroViewer 7215

HANDHELD INFRARED VIEWER



The 7215 is ideal for locating and aligning near-infrared laser beams and for identifying stray IR reflections that may otherwise go undetected.



As a thermal imager, the 7215 can be used to view the radiation from objects hotter than about 600°C (such as the soldering iron shown).



With the 7215-202 accessory, the 7215 can also be attached to CCTV cameras extending their spectral range to 1.5µm.

Converts 0.4-1.5µm Radiation to Visible

The ElectroViewer 7215 is a high-performance, hand-held Infrared Viewer designed to meet the requirements of viewing in the near-IR wavelength range. Unlike any other infrared imaging device, the ElectroViewer delivers an image that is remarkably bright. And with focusing as close as 4 inches, the ElectroViewer is the perfect tool for in-the-lab and in-the-field.

- Excellent image quality
- Bright, high-contrast image
- Focuses as close as 4"
- Adjustable iris included
- Accepts C-mount lenses
- Interfaces to CCTV cameras
- Rugged and shock-proof design

Operation

The ElectroViewer is powered by pressing and maintaining the push-button switch. The objective lens, adjusted for objects at distances from 4" to infinity, brings the scene into sharp focus, producing a bright, green fluorescent image seen through the eyepiece.

High-resolution images are generated in accordance with the incident intensity of the radiation and the S-1 spectral responsivity of the photocathode material (see Spectral Response characteristic).

The ElectroViewer image output can either be viewed directly using the adjustable eyepiece (included) or can be attached to a CCTV camera with the 7215-202 CCTV Relay Lens accessory (optional), thus effectively extending the CCTV camera's response range to beyond 1.3µm!

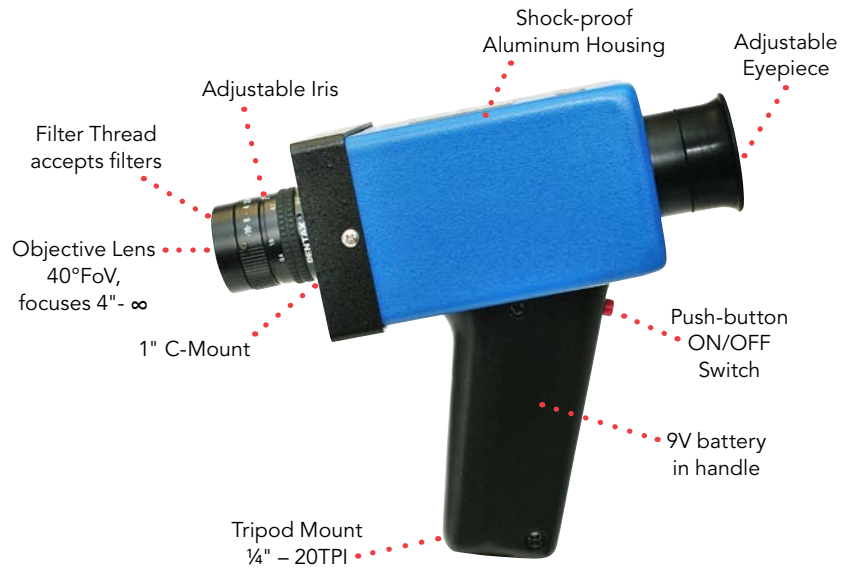
APPLICATIONS

- Observation of GaAs laser diodes and IR LEDs
- Beam alignment (e.g. Nd:YAG, Ti: Sapphire)
- Thermal imaging of objects 600°C (1112°F) and hotter
- View in-the-dark processes
- Forensic analysis of inks, pigments
- Sub-surface wafer inspection (Si, GaAs)

ElectroViewer 7215

HANDHELD INFRARED VIEWER

| SPECIFICATIONS | |
|---------------------------|--|
| Input Photocathode | S-1 |
| Output Fluorescent Screen | P-20 Phosphor |
| Output Resolution | 60 lp/mm |
| Peak Emission Wavelength | 550nm |
| Responsivity@1.06µm | 0.45-0.85 mA/W |
| Object Distance | 4" to ∞ |
| Field of View | 40° |
| Battery Life | 100 hours (typical) |
| Battery Type | 9V Alkaline |
| Size (L x W x H) | 3¼" x 3¼" x 2¼" (8x8x6 cm) excl. handle and lenses |
| Weight w/o Lens | 1¼ lb. (570g) |



ORDERING INFORMATION

| ITEM | PART NO. | DESCRIPTION |
|--------------------------------|----------|---|
| ElectroViewer 7215 | 914644 | Selected to detect 20mW/cm ² @1.3µm. Includes a 25mm objective lens, eyepiece, and 9V alkaline battery |
| ElectroViewer 7215P | 914646 | Selected to detect 50mW/cm ² @1.5µm. Includes a 25mm objective lens, eyepiece, and 9V alkaline battery |
| Switch Option | | Toggle ON/OFF switch replaces push button in above models |
| AC Option | | Viewer has additional AC adapter jack in parallel with 9V battery terminals. |
| CCTV Relay Lens | 914044 | Interfaces with 1/2" CCTV cameras |
| Extension Tube Set | 908007 | Reduces minimum object distance to 1-2" |
| Wide Angle Objective Lens | 908001 | 16mm F1.6 (no iris) |
| 2X Telephoto Objective Lens | 908004 | 50mm F1.8 |
| 1/2X to 3X Zoom Objective Lens | 908006 | 12.5-75mm F1.2 |
| Carrying/Storage Case | 902017 | Foam-lined case for storage and transport |
| Visible Light Cut Filter | 902031 | Mounts on 25mm Lens filter thread |
| Filter Holder | 909000 | Captures any 1" filter onto 25mm objective lens |
| 1" Long Pass Filters | | Select cut-on wavelength (nm): 700, 750, 800, 850, 900, 950, 1000, more |
| 1" Short Pass Filters | | Select cut-off wavelength (nm): 700, 750, 800, 850, 900, 950, 1000, more |
| 1" Band Pass Filters | | Select center wavelength (nm): 700, 710, ..., 1050, 1060, more |
| 1" Neutral Density Filters | | Select optical density: 0.1, 0.2, ..., 0.9, 1.0, 1.5, 2.0, 3.0, more |

Because of ongoing product enhancements, specifications are subject to change without notice.



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