

# CHAMBER SCOPE



## Infrared Chamber Scope

An Easy-To-Use Infrared Chamber Scope That Lets the Operator "See" Inside the Microscope Chamber, even when the Beam Is On

## Features:

- **Easily Connects To Any Hitachi SEM Microscope (Made After 1980)**
- **Small Footprint, Compact Design**
- **Simple To Install, Easy To Use**
- **Available in 5 Models:**
  - **Standard** – Comes With Single IR Camera and a 48mm Port Interface (CVI)
  - **FIB** – Comes With Single IR Camera, a 48mm CVI and VGA Cables for Connection To Large LCD
  - **SU70A** – For Connection To 35mm Port On Back of SU70 Analytical Microscope
  - **SU70B** – Similar To Standard Model, But Comes With Custom Backing Plate for SU70A SEM
  - **DuoSpect** – Comes With Two Cameras & Two Viewing Angles and Two 48mm CVIs

## Notes:

- All Models (except FIB) Come with A High Resolution, 7" TFT-LCD Wide Screen 16:9 Display
- Other Optional Port Interface (CVI) Sizes Are Available – 35mm, and 58mm
- SU70A Model Requires an Additional 48mm Port (Located on Left Side of SU70A) for IR Light Source

## Specifications:

### Camera:

- Description: IR Infrared Black and White Camera
- Operating Voltage: DC 12 V @ 150mA
- Operating Temperature: -10° to 55° C (15° to 130° F)
- Lens: F=6.4mm (Std)
- LEDs: 850nm, 4.2 mW/cm<sup>2</sup> for 10 cm distance.
- Resolution: 512 (Hor.) X 492 (Vert.)
- Weight: 190g or 6.7oz

### LCD Display:

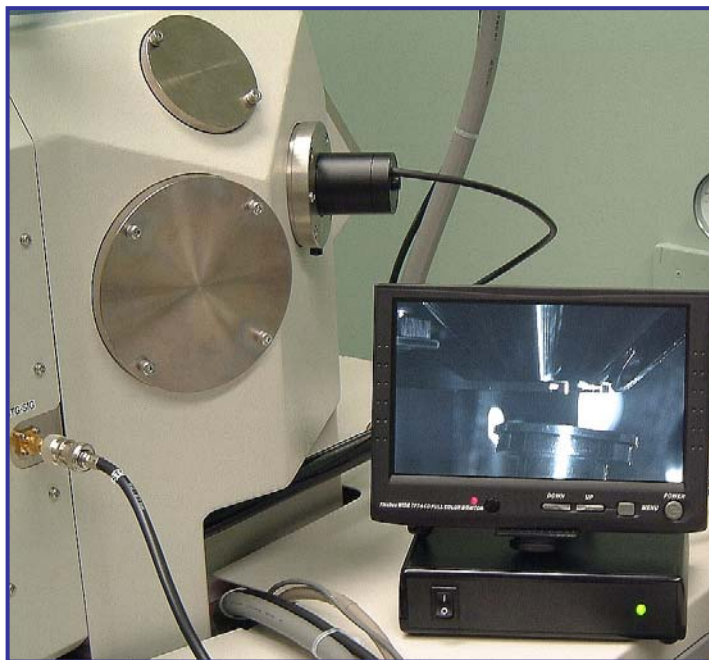
- 7" TFT-LCD Wide Screen Display (16:9)
- Minimum Resolution: 640 (Hor.) X 480 (Vert.)
- Power: From LCD base unit
- Input Type: RCA jack (default)

### LCD Base Unit:

- Dimensions: 153mm X 107 mm X 40 mm  
Or (6" X 4.25" X 1.5") - (L)X(W)X(H)
- Weight: 150g or 5.3oz

### DC Power Supply:

- 16 Watt Single Output Regulated DC Power Supply
- Input Rating: AC 100-240 V @ 50/60 Hz (±10%)
- Output Voltage: DC 12 V @ 1.3 A
- Over Current/ Voltage and Short Circuit Protection
- Environment: 0° to 40°C (32° to 104°F)
- Weight: 360g or 12.7oz



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