STR - Science Technology Resources
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Scalar L2 Microscope/Videocamera

The L2 device is a high-quality handheld video imaging system that displays magnified images on any TV, video monitor or video projector.

Applications: Education, Dentistry, Beauty, Hair Care and Cosmetology, Mineralogy, Gemology, and Jewelry, Textiles, Coin and Stamp Collecting, Forensics, Quality Control for almost any manufactured item, including circuit boards.

Simple...Powerful...Reliable...Cost Effective

Features

- Composite video output signal for conventional video devices such as TV monitors, videocassette recorders and video camcorders, or can connect to a computer through an optional video capture device.
- Easy to use “Touch and View” operation instantly focuses on objects by touching them with the microscope lens. Other lenses available for magnification from a fixed working distance.
- Easy to change optical magnification bayonet-mounted lenses from 1x to 750x with their own internal LED lighting.
- Selectable “White Balance and Exposure” position on either “AUTO” or “FIXED”, to ensure the true color image on TV monitor.
- View both surface and sub-surface details in high resolution on a full-color video monitor display, with 30x polarizing lens.

Specifications

Magnification (14" screen): Regular 1-10x, 30x, 50x, 100x, 200x, 400x; Hi-Res 30x, 50x, 100x, 200x, 750x, 1500x, 1-30x MicroMacro Zoom, microscope adaptor

Polarization: available on 30x lens

Image capture sensor: 1/4” CCD

Total image element: 270,000 pixels

Output signal format: 2:1 interlace NTSC composite signal

Horizontal Resolution: Greater than 300 lines at the center of screen.

Signal to Noise ratio: Greater than 40dB

White Balance: Factory Preset

Color Adjustments: Factory Preset

Operating Temperature Range: 5 to 35 degrees Celsius

Cable length: 7.9 feet or 2.4m (power source cord, video & switching signal cord)

Power source: Switching power supply adaptor

Power consumption: less than 5W

Weight: 6.5oz or 184g (Main unit with cable)

AC Adaptor: Input 110 - 220V AC 50/60Hz, Output: DC6V