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LB-1800 Digital LCD Gemological Microscope

Introduction

LB-1800 Digital LCD Gemological Microscopes renovate the traditional way of microscopic observation and thoroughly resolves the fatigue for a long time of working. Eyepieces and LCD Screen can both be used for convenient and comfortable viewing by individuals and share with other people. It features an especially designed stand to view, identify and analyze precious stone samples and the pieces of jewelry in them.

Applications

LB-1800 is a precision microscope that is capable of inspecting diamonds, emeralds, rubies, and all other types of precious stones, it is usually used to inspect gemstones and in the design, production and repair of jewelry. This microscope is an ideal instrument for jewelers and gem stone experts, it is the most important tool in their jobs.

Technical Specifications

Digital Parts

Resolution:	5 Megapixel
Maximal Resolution:	2560×1920-1600X1200
Video Resolution:	640×480
Sensor Size:	1/2.5 Inches
LCD Screen:	8 Inches TFT Screen, Resolution is 800×600
Video Output:	AV Output (NTSC/PAL)
Data Output:	USB2.0
Menu Language:	Chinese / English
Storage:	SD Card with Optional Memory Cards (Maximal Storage Capacity is 4G)
Scene Mode:	Standard / Softness / Vivid
Exposure Mode:	Auto Exposure
Date Mode:	Year, Month, Day, Hour, Minute

Optical Parts

Viewing Head:	Binocular Head, Inclined 45°, interpupillary distance: 55mm-75mm
Eyepiece:	SWF10X/22mm
Zooming Ratio:	1:7.0
Eyepiece Diopter Correction:	±5 Diopters
Working Distance:	103mm
Objective Zoom Range:	0.65X-4.5X
Illumination System:	Bright / dark Field Illumination (Light aperture: 41mm~2mm changeable diaphragm, it can adjust the beam of illumination.) Gem Lamp, 8W daylight fluorescent lamp(6000)K Single Cold Light Illuminator
Plat Clamp:	Moderate to hold hard, conveniently.
Eyepiece:	10X /20mm with a Reticle, Single Line 10mm/100, Cross Hair (0.1mm Micrometer) 15X/20X/25X
Objective:	0.5X/0.75X
Longer Stand and Base:	Using 0.5X Objective Lens ,Working Distance is 175mm (Max)
Clamp:	Alligator Clamp or Steel Clamp

