



Introductions:

RIM-12 LCD is a new design and exclusive intelligent digital video microscope. Its functions include Camera drawing, video display, graphic measurement, video recording, which can not only be used for mobile phone repair but also for jewelry welding and higher precision welding works. 12-78X magnification details will be display on 12 inch screen with 1080 HD resolution. Graphic measurement function of this microscope helps to resolve many critical problems.

The application of this intelligent microscope is in various industries like - Medical, Material and Machinery. For the simplicity and effective result, it is used in mineralogy, crime lab and research purpose also.

Products Features:

- ✓ Support HD video, manual measurement and photography.
- ✓ Improved workability by data processing and image measurement and graphical representation of collected data.
- ✓ User friendly gain, brightness, HDR, reflection elimination adjustment to attain better visibility and focused measurement.
- ✓ A dual control is possible with both mouse and button operation.
- ✓ An External HDMI Output is available for connecting a larger HDMI LCD display.
- ✓ USB interface for Pen drive storage.

SHRI ENGINEERING

Technical Specification

Magnification	12X-78X, Extend to 9X-155X
Objective Lens	0.7X-4.5X
Illuminant	LED light build-in design
Interface	HDMI / VGA Port
Screen	12" (282*178mm)
Display Resolution	1080P HD LCD Screen
Function	Camera Drawing, Video Display, Graphic Measurement, Video Recording
Inspection	High definition optical inspection
Upgrade	Access to USB storage and upgrade
Measurement	Connect the mouse to operate
Built in Video Coupler	0.35X, 0.5 X optional
Field of View (FOV)	23mm- 3mm; Max. 46mm for optional
Working Distance	100mm; Max.198 for optional
Base Size	260mm(X)*320mm(Y)
Height of the Microscope	490mm
Weight of the Microscope	4.6kgs

Camera

Max. Resolution	1920*1080
Sony Sensor	1/2.86 inch
Pixel Size	2.75*2.75µm
Frame Rate	60fps@1920*1080
Signal to Noise Ratio (SNR)	65DB
LCD Display	12 inch HD, 1080P, wide screen, multi angle adjustment
HDMI Ports	2, True Colour, No Delay

Illumination:

High quality LED illumination, 144 LED bulbs.

Operation:

User friendly operation with wireless mouse or manual operation, easy image capture, Pen drive storage and all critical measurements can be done easily.