

# HDMI INSPECTION ZOOM MICROSCOPE

## HD210

MONOCULAR INSPECTION ZOOM MICROSCOPE WITH HDMI CAMERA WITH BUILT-IN RECORDING



# Monocular Inspection Zoom Microscope with HD Camera with Built-in Recording

## HD210

### Description

HD210 is a high-definition inspection system using a 1080p HDMI camera and a 0.7X-5X zoom C-mount lens. The 3D LED ring-light has two independently-controlled lighting zones: one for flat, diffuse lighting, and one for highlights. This allows you to add depth to difficult subjects, revealing extra detail. This system is ideal for repairing small electronics and mechanics, such as cell phones and watches. The 0.7X to 5X lens produces a highly-detailed image -- ideal for industrial or biological inspection. The camera not only provides a live video stream to available HDMI devices such as a monitor, but it can also record HD video directly to a MicroSD card.

### Features

- 0.7X-5.0X zoom objective lens for C-mount
- Long working distance
- Sharp images over a super wide field view
- Stable, all-metal pillar-stand
- Cool, even 96-LED lighting
- Measurement Software Pixit Pro

### Microscope Specifications:

- Zoom microscope objective: 0.7X-5.0X
- Mount: 0.4X C-mount
- Working distance: 4-1/8" (105mm)
- Field of view: 1/2"x11/16" (12.9mm X 17.1mm) to 5/64"x3/32" (1.8mm X 2.4mm)
- Power input: 110-240V, 50-60HZ, auto switching
- Metal stand dimension: 13"x10"
- Pillar: 11" (280mm) long

### Camera Specifications:

- Camera Sensor: Sony IMX291
- Sensor Type: CMOS
- Sensor Resolution: 2MP (1920 x 1080)
- Sensor Size: 1/2.8" class -- 6.06mm(w) x 4.42mm(h), 7.50mm(diag)
- Pixel Size: 2.9µm
- Dynamic Range: 128dB
- Signal Noise Ratio: 30dB
- Light Spectrum Response: 380nm to 650nm
- HDMI Output: 1920x1080p60
- Image Capture: 1920x1080
- Image Format: JPEG
- Video Capture: 1920x1080 @ 30fps, 1280x720 @ 60fps
- Video Format: MOV

