



Intelligent Vision Solutions

479 So. Stewart Street Suite 4 - Sonora, CA 95370 Telephone (209) 533-4783

Binocular, Trinocular and Digital Video Microscopes

Video inspection and documentation solutions for today's applications

INSPECTION, RE-WORK, TOUCHUP & CAPTURE LIVE IMAGES

GM-0800 SERIES TRINOCULAR MICROSCOPE W/5-YEAR WARRANTY



OPERATIONAL FUNCTIONS:

Magnification Range: Choose optics (eyepiece, aux lens) from chart below

Working Distance: 8.4" down to 1.74"

Field of View: (FOV) See chart

True 50/50 Stereo Zoom Body with detents:

Zoom Ratio: 1:6.3

Model shown # GM-0800-P-FORL

Specification Sheet

| | |
|---------------------------|------------------------------------|
| CCD Sensor: | 1/3" Interline Color (NTSC or PAL) |
| Resolution: | 470 TV lines |
| Video Output Signal: | VBS 1.0 Vp-p 75 Ohms |
| Power Supply: | DC ~ 12 V |
| Power Consumption: | 190 mA |
| 17" TFT Screen | 1280x 1024 resolution |
| AC Input | 85~265V 50-60Hz |
| Display screen adjustment | Contrast, Brightness, Auto Tuning |
| I/O Interface Video Sync: | BNC and S-VHS |

Options

Eyepieces: 15x, 20x or 30 x eyepieces:

Eye pieces w/ Built in Reticules

Auxiliary lens: 0.5x 1.5x, or 2x

Mounting Arrangement: Pneumatic C-Clamp Arm, Single Post Boom Stand, Post Stand or Rack Stand

Illumination: Fiber optic ring light, dual point gooseneck light guides, LED ring light or Fluorescent ring light

Magnification and Field Of View, (FOV) chart

A multiplier of eyepiece, microscope body and auxiliary lens size determines Magnification and Field Of View.

| Eyepiece | Body | Aux lens | FOV | Mag range |
|----------|------|----------|--------------|-----------------|
| 10x | 4.5x | 0.5 | 55~8.8 mm | 3.4 x to 22.5 x |
| 10x | 4.5x | 1 | 27.5~4.4 mm | 6.7 x to 45x |
| 10x | 4.5x | 1.5 | 21.9~ 3.3 mm | 10.1 x to 67.5x |
| 10x | 4.5x | 2 | 13.8~2.2 mm | 13.4 x to 90x |
| 20x | 4.5x | 0.5 | 31.2~5 mm | 6.7 x to 45 x |
| 20x | 4.5x | 1 | 15.6~2.5 mm | 13.4 x to 90x |
| 20x | 4.5x | 1.5 | 11.9~1.8 mm | 20.1 x to 135x |
| 20x | 4.5x | 2 | 7.8~1.3 mm | 26.8 x to 180x |
| 30x | 4.5x | 0.5 | 17.6~2.8 mm | 10 x to 67.5x |
| 30x | 4.5x | 1 | 8.8~1.4 mm | 20 x to 135 x |
| 30x | 4.5x | 1.5 | 6.9~1 mm | 30 x to 202 x |
| 30x | 4.5x | 2 | 4.4~0.7 mm | 40 x to 270 x |

Note* Magnification statistics will be increased when using our 17" TFT screen. Current chart was based on 15" screen

[Click Here to Request A Quote](#)