



# 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*

**PROCESS FAILURE, INSPECTION, RE-WORK, TOUCH UP, TRAINING, & IMAGE CAPTURE**

## **GM-1005 SERIES W/5-YEAR WARRANTY**



### **OPERATIONAL FUNCTIONS:**

Magnification range: 1.75 x to 90x. (Standard)  
Working distance: 6" to 26".  
Double Gas dampening arm w/ c-clamp mount  
Depth of Field: (DOF) 6"  
Field of View: (FOV) infinity down to 0.14" sq.  
Reverse Imaging: Negative Polarity

### **Specification Sheet**

#### **DSP NTSC (Y/C) S-VHS**

CCD Sensor	¼" Interline Color
Reverse Polarity	Yes (on/off)
Minimum Illumination	1 Lux @ F: 1.2
Horizontal Freq	15.734 kHz
Vertical Freq	59.94 Hz
Scanning System	2:1 Interlace
Sync. System	Internal
Shutter Speed	1/60~ 1/10000
Camera Setup Function	ON-Off Control
Auto Gain Compensation	On ( 0~8 db)
Video Output Signal	VBS 1.0 Vp-p 75 Ohms
Power Supply	DC ~ 12 V
Power Consumption	160 mA
Lens Mount	CS
Lens Type	Macro Zoom/Par focal

### **Optional Viewing Screen Specification**

17" TFT Screen	1280x 1024 resolution (v) SXGA
Pixel Pitch	AC Input 100~240V/1.8,50-60Hz 0.264 (H) x 0.264 (V) mm
OSD adjustment	Contrast, Brightness, Auto Tuning, Phase, H-Position, V Position, Input selection
I/O Interface Video Sync:	RGB analog 0.7V p-p TTL positive or negative Composite, & Y/C (S-VHS)

### **Options**

Capture and non-contact measurement software  
2x converter/increases magnification to 170x  
Lens Polarizer filter/deflects reflective properties and glare  
Illumination: Fiber Optic ring light, dual point gooseneck light guides or Fluorescent ring light  
FO color filter kit  
Laser positioning indicator

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