

# The **IR-1000** Camera

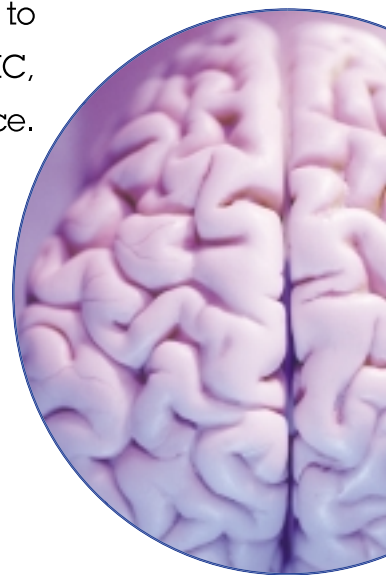
Infrared response  
to 1200 nm!



The IR-1000 infrared CCD camera is designed especially for applications requiring high sensitivity in the near infrared. The high gain of the camera enables the user to detect images in real-time (30 frames/sec.) even when energy levels are very low. With wide range gain and black level controls, the IR-1000 enables the user to enhance image contrast and offers the ability to do short-term integration for increased sensitivity.

## Biomedical

This camera works extremely well when used to investigate thick tissue sections using infrared DIC, along with fluorescence.



## Industrial



The IR-1000 is ideal for inspecting gallium arsenide wafers in both transmitted light and with epi-illumination.

马普科学仪器有限公司

Tel : 020-8767 9617 , 8767 9631 ; Fax : 020-8767 9635  
<http://www.mapusci.com> E-mail: [info@mapusc.com](mailto:info@mapusc.com)

**DAGE-MTI** INC.

# IR-1000 Infrared CCD Camera

## FEATURES

- Wide range automatic gain
- Wide range black level offset control
- Wide range manual gain control
- Short-term integration (requires Dage-MTI's INVESTIGATER or qualified frame grabber)
- Electronic shutter capability
- System set-up test signal

## SPECIFICATIONS

Pick-Up Device:	1/2", interline CCD with microlens
Signal-to-Noise Ratio:	56dB
Shading:	<5% overall
Sensitivity:	.05fc (0.5 lux) on sensing area @ 3200K
Minimum Illumination:	.00035 fc (.0035 lux)
Gamma Correction:	Gamma set to 1.0 at factory
Gain:	Switchable fixed or automatic
Electronic Shutter:	Nine-step manual to 1/10,000

	<b>RS-170</b>	<b>CCIR</b>
Active Picture Elements:	768 (H) X 494 (V)	752 (H) x 582 (V)
Picture Element Size:	8.4µm (H) X 9.8µm (V)	8.6µm (H) x 8.3µm (V)
Horizontal Resolution:	570 TVL	560 TVL
Pixel Clock Frequency:	14.318 MHz	14.1875 MHz
Vertical Rate:	59.94 Hz	50 Hz
Horizontal Rate:	15,734 Hz	15,625 Hz

### Weight

Control Unit:	1.48 lb. (0.67 Kg)
Camera Head:	0.25 lb. (.11 Kg)

### Size

Control Unit:	5-1/2"(W) x 1-1/2"(H) x 8"(L)
Camera Head:	1-3/4"(W) x 1-1/8"(H) x 3-3/4"(L)

Operating Temperature: 0°C to +40°C

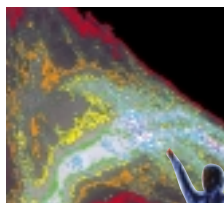
Input Voltage: 95 VAC to 250 VAC

INFRARED RESPONSE  
TO 1200nm!

**DAGE-MTI** INC.

马普科学仪器有限公司

Tel : 020-8767 9617 , 8767 9631 ; Fax : 020-8767 9635  
http://www.mapusci.com E-mail: info@mapusc.com



When The **IMAGE** Is Everything.