

This lightweight, compact and high sensitive unit shows excellent cost/performance and enables high speed electronic shutter speed of up to 1/96,000-sec for FA applications.

# Application =

- Position SMT / wafer / PCB inspection
- •FA / Robots
- Image Processing

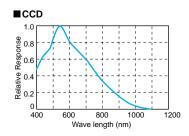
# Key Features =

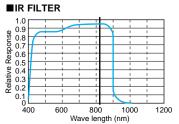
- Dimensions: 29 mm (width) x 29 mm (height) x 65 mm (length) (w/o I/O connectors). Ultra-Compact and lightweight.
- •Variable electronic shutter speed: 1/60, 1/100, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/8,000, 1/16,000, 1/32,000, 1/64,000, 1/96,000 sec.
- •Long lens mount base design that allows wide range of lens selection.
- Equipped two (2) Video output terminals.
- •570 line horizontal resolution.
- •Selectable field / frame integration
- •1.0 lx minimum scene illumination at F1.4.
- •56 dB signal-to-noise ratio.
- •C-mount
- •Removable IR cut filter.
- •Designed to withstand strong Vibration / Shock resistant.

The shutter speed can be set as below

Switch 1				Shutter Speed
2	3	4	5	Shuller Speed
off	off	off	off	off
on	off	off	off	1/100
off	on	off	off	1/500
on	on	off	off	1/1,000
off	off	on	off	1/2,000
on	off	on	off	1/4,000
off	on	on	off	1/8,000
on	on	on	off	1/16,000
off	off	off	on	1/32,000
on	off	off	on	1/64,000
off	on	off	on	1/96,000
Other Combinations				Not Specified

# **Spectral Response**





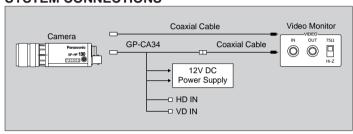
# **MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS**



BNC

6: VD 75Ω OFF/ON

## SYSTEM CONNECTIONS

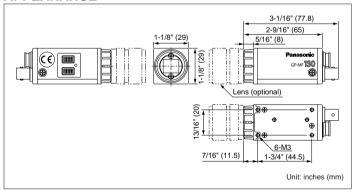


6: Not used

### **OPTIONAL ACCESSORIES**



#### **APPEARANCE**



# SPECIFICATIONS

SPECIFICATIONS			
Pick-up Device	Interline Transfer type CCD with 768 (H) x 494 (V) pixels.		
Image Size	1/3" (6.00 (H) x 4.96 (V) mm)		
	2 : 1 interlace 1-line interlace (Frame accumulation)		
	2 : 1 interlace 2-line interlace (Field accumulation)		
Synchronization	Internal or External (Selectable Automatically)		
	Internal : Built-in sync generator		
	External: 4.0 V[p-p]/75 ohms Horizontal drive and Vertical drive pulses		
	for 2 : 1 interlace		
Horizontal Resolution	570 lines at center		
Minimum Illumination	1.0 lx (0.1 foot-candles),		
	(F1.4, Manual Gain Max (+6 dB), 2 : 1 interlace, without shutter)		
Signal to Noise Ratio	56 dB Typical (Manual Gain Off (0 dB), 2 : 1 interlace without shutter)		
Gamma	1.0		
Gain Selection	0 - 6 dB, (Adjustable by Manual Gain Control on rear panel)		
Electronic Shutter	10-step (1/100 s to 1/96 000 s) at normal		
Lens Mount	C-Mount		
Vibration Resistance	10 G (10 Hz - 150 Hz) (2 hours each for three axes)		
Shock Resistance	80 G (IEC 68) *IEC=International Electronical Technical Commission		
Power Source	DC +12 V, 170 mA		
Ambient Temperature	-10°C - +50°C (14°F - 122°F)		
Dimensions	29 (W) x 29 (H) x 65 (D) mm [1-1/8" (W) x 1-1/8" (H) x 2-9/16" (D)]		
Weight	86 g (0.19 lbs.) (Camera Only)		

9

10

11

12

No connection

No connection

No connection

Ground for VD

• Weights and dimensions are approximate. • Specifications are subject to change without notice. • These products may be subject to export control regulations.

Medical & Industrial Video Company

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