

High quality picture with digital signal processing.  
Designed to be used in many fields of application with full compatibility between camera head and CCU.

1/2-type CCD DIGITAL SIGNAL PROCESSING COLOR MICRO-CAMERA

# GP-KS162H



Cable: optional

Rear View



### Configuration

Camera Head GP-KS162H (lens: optional)  
Camera Control Unit GP-KS162CU (optional)  
Camera Cable (optional)

### Applications

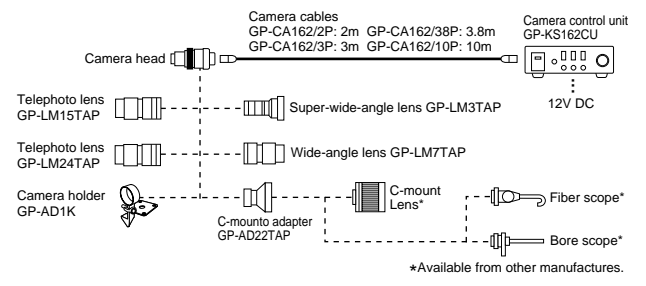
For internal inspection of precision machinery and engines, as an FA visual sensor, for checking completed printed circuit boards, for inspecting medical operations and treatment, as a microscopic camera, for surveillance in elevators, as an industrial fiberscope eyepiece, for dental work, etc.

Available either in NTSC or PAL system

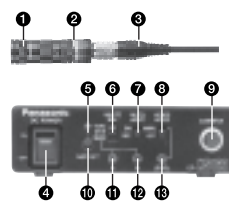
### KEY FEATURES

- Uses 1/2-type IT CCD with approx. 380,000 (NTSC), 438,000 (PAL) pixels. Provides 480-line horizontal resolution, 50dB of S/N ratio, min. scene illumination of 3 lx with internal RGB signal processing (Digital).
- The camera head has an ultra-compact and ultra-light weight design. Dimensions: 17mm x 35mm (Excluding lens)
- Full compatibility between camera head and CCU.
- Precise adjustment is available even when ATW or AWC is activated.
- Keep appropriate signal level with automatic in-coming light control (Automatic AGC/ELC).
- Precise manual adjustment of video signal level is also available.
- Backlight compensation has two selectable center-weighted sensing areas.
- Provides BNC x 2, Y/C x 1 video outputs.

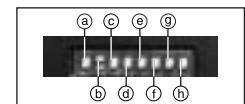
### SYSTEM CONFIGURATION



### MAJOR OPERATING CONTROLS

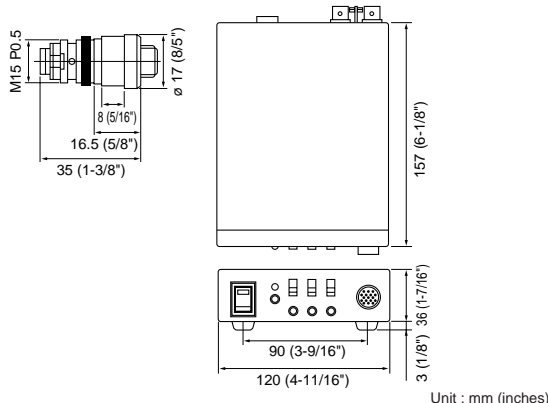


- 1 Lens (Optional)
- 2 Focus Lock Ring
- 3 Cable (Optional)
- 4 Power On/Off Switch
- 5 AWC LED
- 6 White Balance Switch
- 7 Auto Light On/Off Switch
- 8 Video Level Switch
- 9 Camera Input Connector
- 10 AWC Set Switch
- 11 White Balance Volume. (Red)
- 12 White Balance Volume. (Blue)
- 13 Video Level Volume



- 14 8p DIP Switch
- 15 ELC Switch
- 16 AGC Switch
- 17 White Balance Offset Switch
- 18 2-Memory AWC Mode Switch
- 19 BLC Mode Selection Switch
- 20 Aperture Level Selection Switch
- 21 Cable Selection Switch
- 22 Video Out 1 Connector
- 23 Video Out 2 Connector
- 24 S-Video Connector
- 25 DC 12V In Terminal
- 26 EVR Connector

### DIMENSIONS



### SPECIFICATIONS

NTSC PAL

TV System	NTSC	PAL
Pick-up Device	768 (H) x 494 (V) pixels, Interline Transfer CCD	752 (H) x 582 (V) pixels, Interline Transfer CCD
Scanning Area	6.5 (H) x 4.8 (V) mm (Equivalent to 1/2" Tube)	
Scanning	525 Lines/60 Fields/30 Frames Horizontal 15.734kHz, Vertical 59.94Hz	625 Lines/50 Fields/25 Frames Horizontal 15.625kHz, Vertical 50Hz
Synchronization	Internal	
Horizontal Resolution	480 TV lines (typ.)	
S/N Ratio	50dB (at AGC OFF)	
Mini. Illumination	3 lx (0.3 fc) (F1.4 AGC ON 30 IRE)	
Power Source	DC 12V +10%	
Power Consumption	300mA DC 12V input	

### OPTIONAL COMPONENT & ACCESSORIES

Super-Wide-Angle Lens <b>GP-LM3TAP</b>	Wide-Angle Lens <b>GP-LM7TAP</b>	Telephoto Lens <b>GP-LM15TAP</b>	Telephoto Lens <b>GP-LM24TAP</b>
C-Mount Adapter <b>GP-AD22TAP</b>	Camera Holder <b>GP-AD1K</b>	Camera Cable GP-CA162/2P (2m) GP-CA162/3P (3m) GP-CA162/3.8P (3.8m) GP-CA162/10P (10m)	Camera Control Unit <b>GP-KS162CU</b>