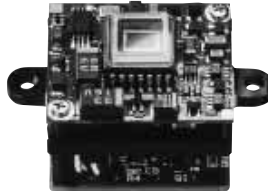


HIGH RESOLUTION
COLOR BOARD CAMERAS

GP-CX171 Series

Equipped with a 1/4-type CCD, this color board cameras deliver high image quality with 480 lines of horizontal resolution.

Actual size



Configuration

Color Board Camera

Applications

Dental uses, PC cameras, Specialist filming uses, Security cameras in Videocom installations. Also suitable for a wide range of other uses.

Available either in NTSC or PAL system

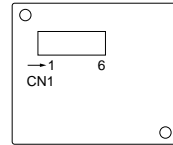
KEY FEATURES

- High Resolution Color Board Camera equipped with 1/4-type 768H (NTSC), 752H (PAL) CCD sensor.
- 480 TV lines horizontal resolution.
- Compact size 38 (W) x 22 (H) x 28.2 (D) mm.
- 12V DC power input for various industrial usage. (GP-CX171)
- Built-in regulator board for conversion from 12V to 5V DC. (GP-CX171)
- 5V DC input: Model GP-CX171/5 without regulator board version is also available for ease of use.

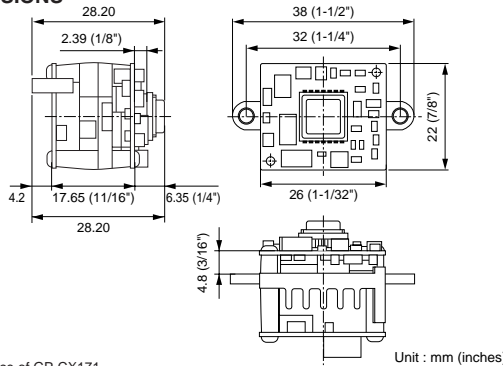
External terminals: JST BM06B-SRSS-TB

Pin Array

Pin	Signal name	Explanation
1	DC	Power Input
2	GND	GND
3	VIDEO OUT	Video Output
4	GND	GND
5	SCL	OPEN
6	SDA	OPEN



DIMENSIONS



*appearance of GP-CX171

SPECIFICATIONS

NTSC

PAL

TV System	NTSC	PAL
Pick-up Device	1/4-type CCD with complimentary color filter	
Effective Number of Pixels	768 H x 494V	752 H x 582V
Total Number of Pixels	811 H x 507V	795 H x 601V
Sensing Area	3.76 mm (H) x 2.77 mm (V)	3.76 mm (H) x 2.74mm (V)
Pixel Dimension	4.90 μm (H) x 5.60 μm (V)	5.00 μm (H) x 4.70 μm (V)
Pick-up System	Interline field memory 2-line simultaneous read-out	
Horizontal Scanning Frequency	15.734kHz	15.625kHz
Vertical Scanning Frequency	59.94Hz	50.00Hz
Scanning System	525 lines:60 field 2:1 interlace	625 lines:50 field 2:1 interlace
Frame Rate	30 fps	
Synchronization	Internal only	
Video Output	VBS 1V[p-p]/75 Ω composite signal	
Resolution	Horizontal:480 lines at center Vertical: 350 lines at center	
S/N Ratio	46dB or more: AGC off, weight ON	
Minimum Illumination	18 lx (F2.8)	
AGC	On fixed	
ELC	ON (1/60 to 1/77,000 sec.)	ON (1/50 to 1/77,000 sec.)
White Balance	ATW fixed	
External Connector	JST 6 pin connector 1.DC input 2.GND 3.VIDEO output 4. GND 5.SCL 6.SDA	
Power Consumption	DC 10.8V to 13.2V, 120mA (GP-CX171) DC 5V (GP-CX171/5)	
Weight	14 g (0.03 lbs.) as a whole	
Temperature Range	Operation: -10°C ~ +50°C Performance: +5°C ~ +35°C Storage: -20°C ~ +65°C	
Humidity Range	Operation: 90%RH or less Storage/Transport: 95%RH or less	

12V and 5V DC ; GP-CX171P & GP-CX171E
5V DC ; GP-CX171/5P & GP-CX171/5E