



Low light vision, 1/3"  
Color DSP CCD Camera

# CT-590G series

Field integration complete with memory board

CT-590G series is the unique low light sensitivity 1/3" color CCD camera provided with "Field Integration" function for hyper CCTV security applications, biological, microscopic, astronomical and more versatile applications.

With the high resolution 1/3" format CCD sensor, crisp picture could be produced remarkably at minimum 0.03lux scene illumination (with 256-field integration set on).

Field integration period is selectable by means of rotary switch located on the side panel. Integration duration can readily be selected within the range from 2-field up to 256-field. Integration function can be set either to AUTO mode or MANUAL mode.

## Features :

1/3" CCD sensor

High resolution 470TV lines

Y/C output provided as standard

Backlight compensation

AGC on/off (30dB)

0.03lux scene illumination(256-field integration)

Easy mode setting by DIP switch

S/N 48dB or more

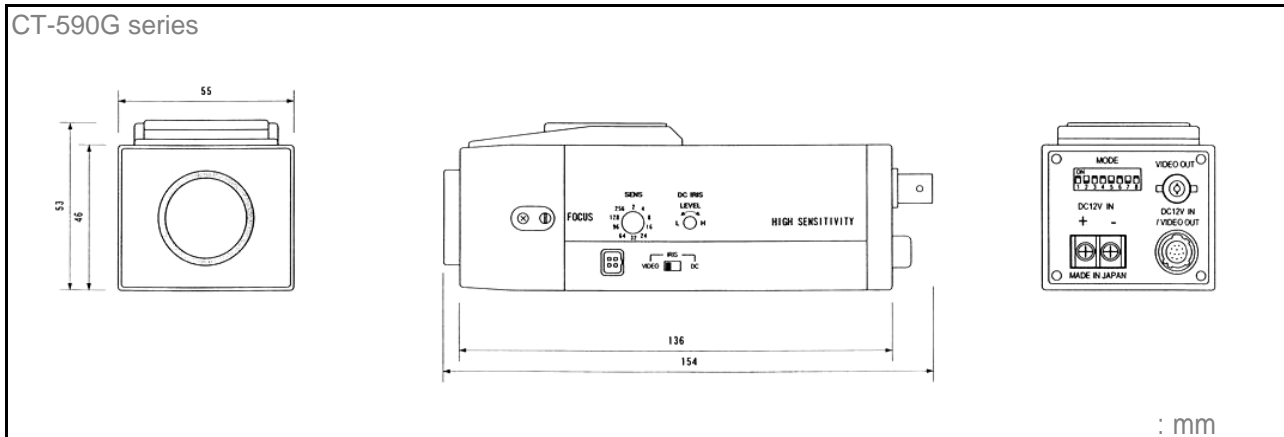
Digital Signal Processing (DSP)



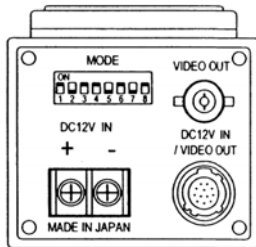
Rear control panel

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## External appearance



## Rear control panel



### 12P connector

#### I/O pin assignment

Pin #1	GND	Pin #7	C OUT
Pin #2	+12VDC IN	Pin #8	C GND
Pin #3	VIDEO GND	Pin #9	N.C.
Pin #4	VIDEO OUT	Pin #10	N.C.
Pin #5	Y OUT	Pin #11	+12VDC IN
Pin #6	Y GND	Pin #12	GND

## Specifications

	CT-591G	CT-595G
CCD	1/3" CCD, High resolution	
Number of effective elements	768 x 494 (NTSC)	752 x 582 (PAL)
Sync. System	Internal	
Scanning system	2:1 interlace	
Video output	VBS 1.0Vp-p, 75ohms and Y/C output	
Horizontal resolution	470TV lines	
S/N ratio	Greater than 48dB (AGC Off)	
Electric shutter	1/60 (1/50 for PAL) - 1/10,000 sec.	
Gamma	0.45	
AGC	Off / On (High:30dB or Low:20dB selectable)	
Min. scene illumination	0.03 lux F1.2 with AGC ON, with 256-field integration	
Lens mount	CS-Mount or C-mount using the supplied adapter	
Auto iris lens connector	Provided on side panel.	
Power connector	Screw terminal or 12P(Hirose) connector	
Power requirement	+12VDC regulated	
Storage temperature	-30 to +70	
Operating temperature	0 to +45	
Weight	400g approx.	
Dimensions (WxHxL)	55 x 53 x 136mm	

**Tuss Vision, Inc.**

Product made in Japan