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Camera Controller C2741-62

New from Hamamatsu

Camera Controller for CCD Video Camera

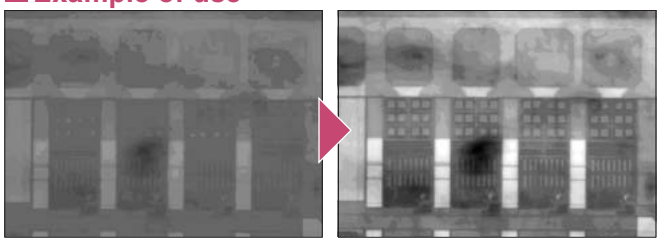


The C2741-62 is a compact and high-performance camera controller designed for CCD video cameras. Its most significant feature is the high image-processing ability. Its exceptional functions such as contrast enhancement, detail enhancement and averaging, which reduce noise on an image, contribute greatly for viewing low contrast objects clearly and more emphasized with easy control.
It also provides shading correction. This function enables to correct shading, which is caused by light source and other optics.

FEATURES

- **Clear and emphasized output image of CCD video camera by easy operation**
- **Variety of features such as contrast enhancement, detail enhancement, averaging and shading correction.**

Example of use



▲Before contrast enhancement ▲After contrast enhancement

FUNCTIONS

Contrast Enhancement
The contrast enhancement function amplifies video signals that are above offset (threshold) level. Using this function, even very low contrast image can be changed into a clear image.

Auto Contrast Enhancement
When input light intensity is detected, an amplifier gain is adjusted automatically, and the contrast of image is kept constant.

Shading Correction
This function corrects shading caused by the optics such as light source and lenses. It enables horizontal and vertical correction as well as diagonal correction.

Averaging Function
This function averages an image data to reduce random noise and creates high-grade image.

Detail Enhancement
This function enhances edges of objects and intensity transitions. It dramatically improves the performance to display a vague image in detail.

Gamma Correction
Gamma Correction enables to modify the captured image data to display it more naturally and lower contrast portions clearly.

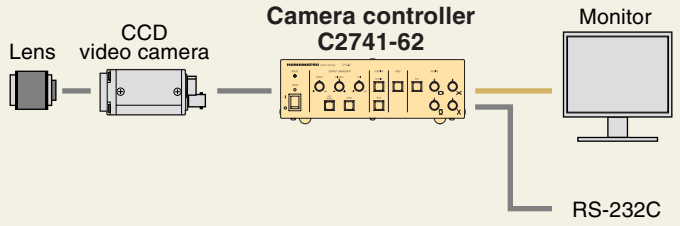
Versatile interface of RS-232C

HAMAMATSU

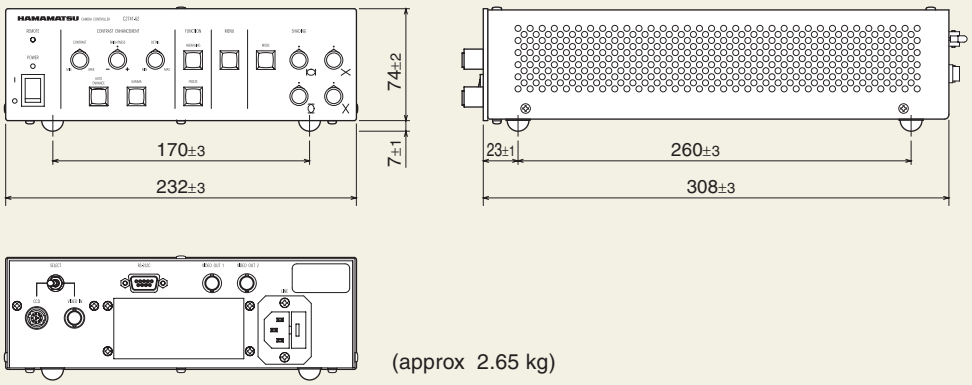
SPECIFICATIONS

Synchronization system (selectable by software)	NTSC	CCIR
Output signal	15.734 kHz / 59.94 Hz	15.625 kHz / 50.00 Hz
	1 V p-p / 75 Ω 2 output terminals (BNC)	
Interlace	2:1	
Aspect ratio	4:3 (Horizontal : Vertical)	
Input signal	Composite video signal (1 V p-p / 75 Ω BNC or 12 pin)	
Operating temperature	0 ℃ to 40 ℃	
Operating humidity	20 % to 80 % (Non-Condensing)	
Storage temperature	-10 ℃ to 50 ℃	
Storage humidity	20 % to 80 % (Non-Condensing)	
Power voltage	AC 100 V to 240 V, 50 Hz / 60 Hz	
Power consumption	60 V·A or less	

SYSTEM CONFIGURATION



DIMENSIONAL OUTLINES (Unit : mm)



(approx 2.65 kg)

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