

Camera controller C2741-63



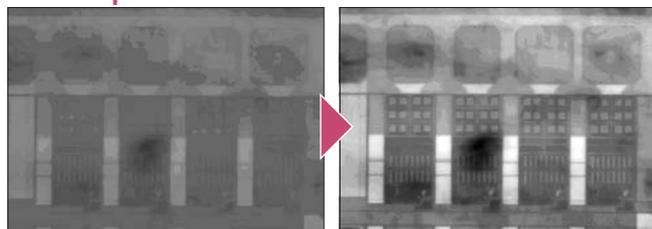
The C2741-63 is a compact and high-performance camera controller designed for video cameras. Its most significant feature is the exceptional image processing ability. With functions such as contrast enhancement, detail enhancement and frame averaging, which reduces noise in the image, the ability to view low contrast objects clearly is easily controlled through the C2741-63.

It also provides shading correction. This function enables to correct shading, which is caused by light source and other optics.

FEATURES

- **Easy to use to output clear and enhanced images from a video camera**
- **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 a 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.

● Noise reduction function

This function averages a number of images to reduce random noise and creates a high-grade image.

● Picture inversion

Images can be flipped vertically and horizontally.

● Image playback

You can play back the last 59 images.

● 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 the modification of the captured image to display it more naturally and enhance the lower-contrast portions.

● Versatile interface of RS-232C

● Level indicators

Two indicators, which appear on the lower left corner of the monitor, indicate the appropriateness of incoming light level. These indicators make it easy to adjust brightness and help to display an optimal image. In addition, this feature provides a visual cue to avoid excessive light input, which may damage the camera.

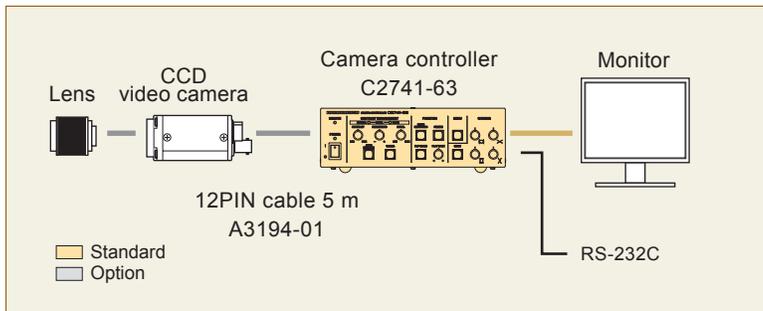
● Video inverter

This function inverts black and white of the image by reversing the video intensity values. It is used when the target object is concentrated in the dark portion of the image, rather than in the bright areas. It is more effective when the contrast enhancement is used simultaneously with this video inverter function.

SPECIFICATIONS

Type number	C2741-63	
Input signal	Composite video signal (1 V p-p / 75 Ω BNC or 12 pin)	
Input signal connector	CCD Camera	12PinCCD camera connector
	Video	BNC connector
Synchronization system (switched by software)	NTSC	CCIR
Horizontal scanning frequency	15.734 KHz	15.625 KHz
Vertical scanning frequency	59.94 Hz	50.00 Hz
Output signal	Composite video signal (1 V p-p / 75 Ω BNC or 12 pin)	
Output signal connector	BNC connector×2	
Control signal	RS-232C	
Control signal connector	DSUB connector 9Pin	
Ambient operating temperature	0 °C to 40 °C	
Ambient operating humidity	70 % (With no condensation)	
Ambient storage temperature	-10 °C to 50 °C	
Ambient storage humidity	90 % (With no condensation)	
Power supply	AC 100 V to 240 V, 50 Hz / 60 Hz	
Power consumption	60 VA or less	

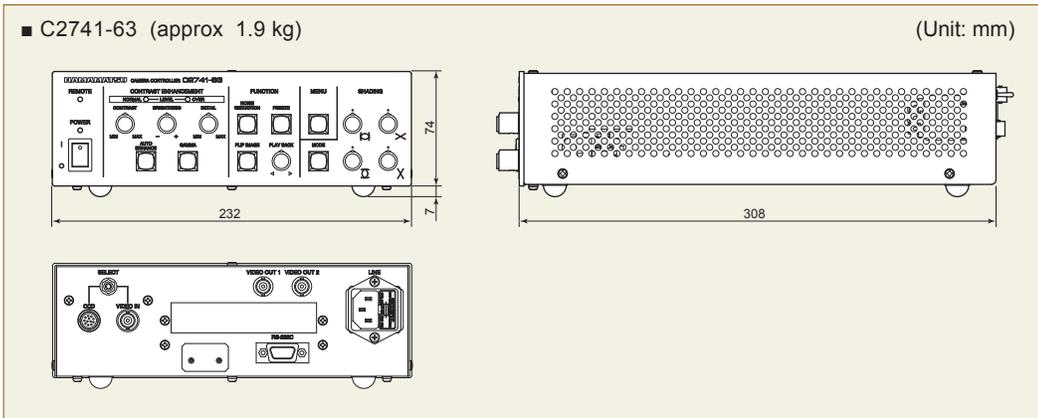
SYSTEM CONFIGURATION



OPTION

- 12PIN cable 5 m: A3194-01

DIMENSIONAL OUTLINES



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