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Find the *Hamamatsu C2741-63* at our website: ***Click HERE***

Camera controller
C2741-63

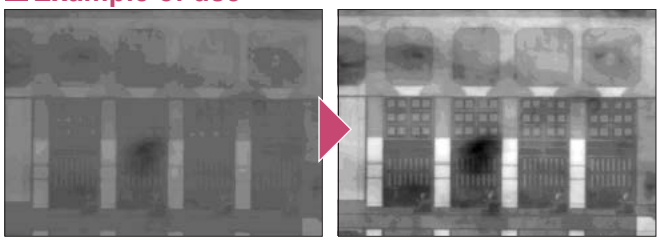


The C2741-63 is a compact and high-performance camera controller designed for video cameras. Its most significant feature is the exceptional image processing ability. With functions such as contrast enhancement, detail enhancement and frame averaging, which reduces noise in the image, the ability to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

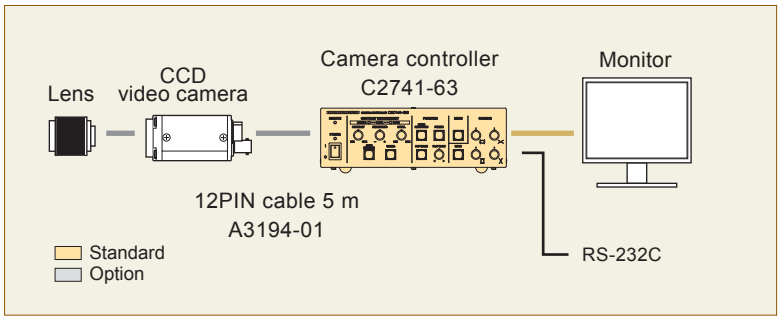
Level indicators
Two indicators, which appear on the lower left corner of the monitor, indicate the appropriateness of incoming light level. These indicators make it easy to adjust brightness and help to display an optimal image. In addition, this feature provides a visual cue to avoid excessive light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

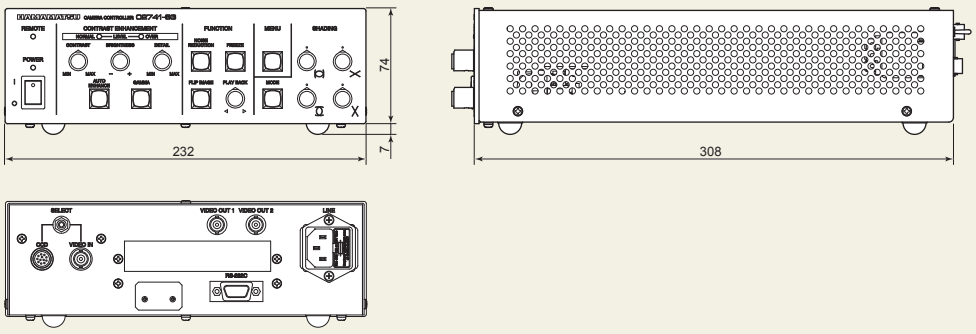


OPTION

- 12PIN cable 5 m: A3194-01

DIMENSIONAL OUTLINES

■ C2741-63 (approx 1.9 kg) (Unit: mm)



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