CA-LHW12

Industrial automation components

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Manufacturer	Keyence
Catalog number	ca-lhw12
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Focal Length	12.5 mm
Aperture Range	F1.4 to F16 F-stop
Compatible Image Sensor Size	1 inch
Resolving Power at Center	120 cycles/mm
Resolving Power at Periphery	63 cycles/mm
Minimum Working Distance	0.3 meters m
Mount Type	C-mount
Filter Size	35.5 mm
Operating Temperature Range	0 to +50°C
Humidity Range	80% RH or less % RH
Waga	160 grams g

Description

The Keyence CA-LHW12 is a 12.5 mm focal length lens designed for 2K and 4K line scan cameras, offering high-resolution imaging with minimal distortion. It features an aperture range from F1.4 to F16, allowing for flexible depth of field adjustments.

The lens is compatible with 1-inch image sensors and provides a resolving power of 120 cycles/mm at the center and 63 cycles/mm at the periphery. With a minimum working distance of 0.3 meters, it is suitable for various industrial applications requiring precise imaging.

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The lens mounts via a standard C-mount and has a filter size of 35.5 mm with a P0.5 thread. Environmental specifications include an operating temperature range of 0 to +50°C and a relative humidity of up to 80% RH without condensation.

The lens weighs approximately 160 grams, making it a robust and reliable choice for industrial vision systems.

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