



PoE Enabled LED Light Controller CN-1024-2-EPOE/CN-1024-4-EPOE



Reduce the number of cables in your system by using a single LAN cable for power receiving and communication
Light control via Ethernet communication from your machine vision device or PC

- ☐ Compact case design
- ☐ Can be installed apart from the control panel and close to the inspection site
- ☐ Available 2- and 4-channel models
- ☐ Supports 2 lighting modes: continuous and strobe
- ☐ Trigger-Link Mode turns on both channels with a single trigger input
This feature is available for both models.
- ☐ Trigger-Rotation Mode turns on each light in order of channel number with every trigger input
This feature is available only for 4-channel model.
- ☐ Provides accumulated values of controller power ON duration, total light ON time, and other operation data
- ☐ 256 levels of light intensity
- ☐ Compatible with approx. 350 models* of CCS LED lights up to 10 W

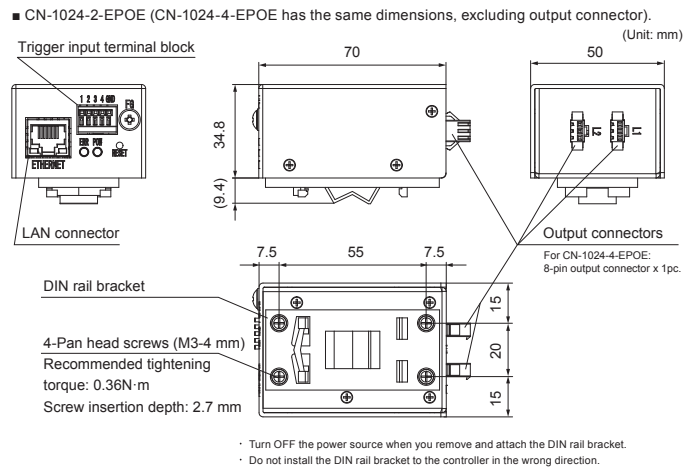
* The number based on the descriptions of CCS General Catalog of LED Lighting for Machine Vision Application.

Specifications

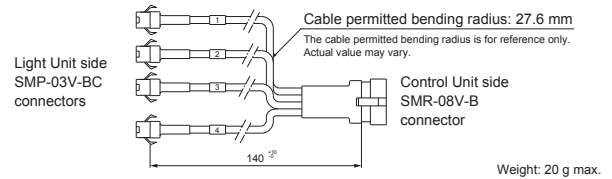
Model name	CN-1024-2-EPOE	CN-1024-4-EPOE
Applicable Light Units (ratings)	24 VDC 10 W (2 channels total)	24 VDC 10 W (4 channels total)
Number of channels	2 channels	4 channels
Lighting method	Strobe mode: Strobe lighting, Continuous Mode: Continuous lighting	
Drive method	Constant-voltage system	
Intensity control method	Strobe mode: Strobe time control, Continuous Mode: PWM control	
PWM frequency	125 kHz	
Power input	RJ-45 connector (based on PoE)	
Power consumption (typ.)	13.9 W	
External control protocol	TCP/IP, UDP/IP	
Strobe time setting (Strobe mode)	8 μ s to 100 ms (Must be a multiple of 8 μ s)	
Lighting delay (Strobe mode)	Strobe mode: 0 to 100 ms (Must be a multiple of 10 μ s)	
Light intensity setting	256 levels (including 0: Not lit.)	
Operating environment (indoors only)	Temperature: 0 to 40°C, Humidity: 20% to 85% (with no condensation)	
Storage environment	Temperature: -20 to 60°C, Humidity: 20% to 85% (with no condensation)	
Cooling method	Natural air cooling	
CE marking	EMC standards: Conforms to EN 61000-6-2 and EN 61000-6-4	
Environment standards	RoHS compliant	
Output connectors	SMP-03V-BC x 2 pcs.	SMP-08V-BC
Trigger input	Screw-less terminal block, 5-pin, Solid wires or stranded wires AWG 28 to 22	
Trigger input voltage (ratings)	24 VDC	
Materials and surface processing	Aluminum alloy, thickness: 1.5 mm, navy-blue, leather tone	
Weight	140 g max.	
Accessories	Instruction guide	Instruction guide, 4-branch cable

A sample application that demonstrates the initial settings including IP address and the light control settings is available on our website. Please download it as required.

Dimensions

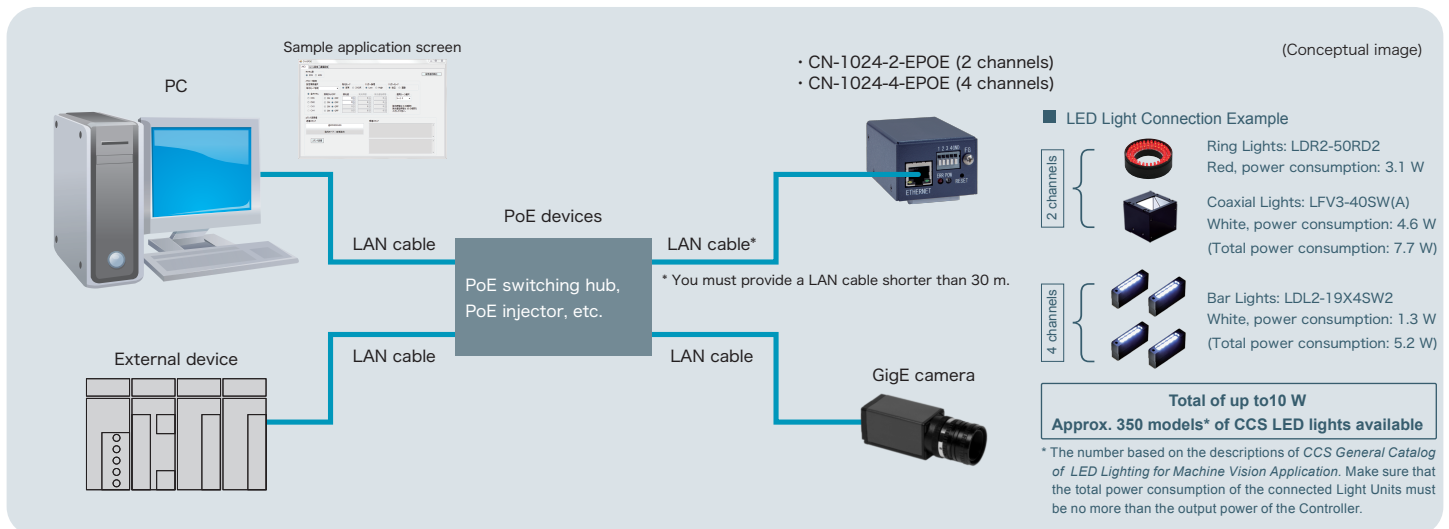


- 4-Branch Cable (included with CN-1024-4-EPOE)
Model name: CN-1024-4-CABLE



Connection Example

Power over Ethernet (PoE) is a technology that enables Ethernet communication and power supply from the PoE device to the connected devices through LAN cables. Please connect the CN Controller to an IEEE802.3af- or IEEE802.3at-compliant PoE device accordingly. (Current as of January 2019)



Notes

- To ensure proper and safe use of the product, please read the Instruction Guide completely before using the product.
- The design and specifications of this product are subject to change without notification for product improvement.

Vision Light Tech B.V.

Protonenlaan 22, 5405 NE UDEN, P.O. Box 345, 5400 AH UDEN, The Netherlands

Phone: +31 (0)413 26 00 67, Fax +31 (0)413 26 09 38, E-mail: inquiry@vlt.nl, Website: www.vlt.nl

Trade register No. 17150044, VAT No. NL8112.30.946.B01