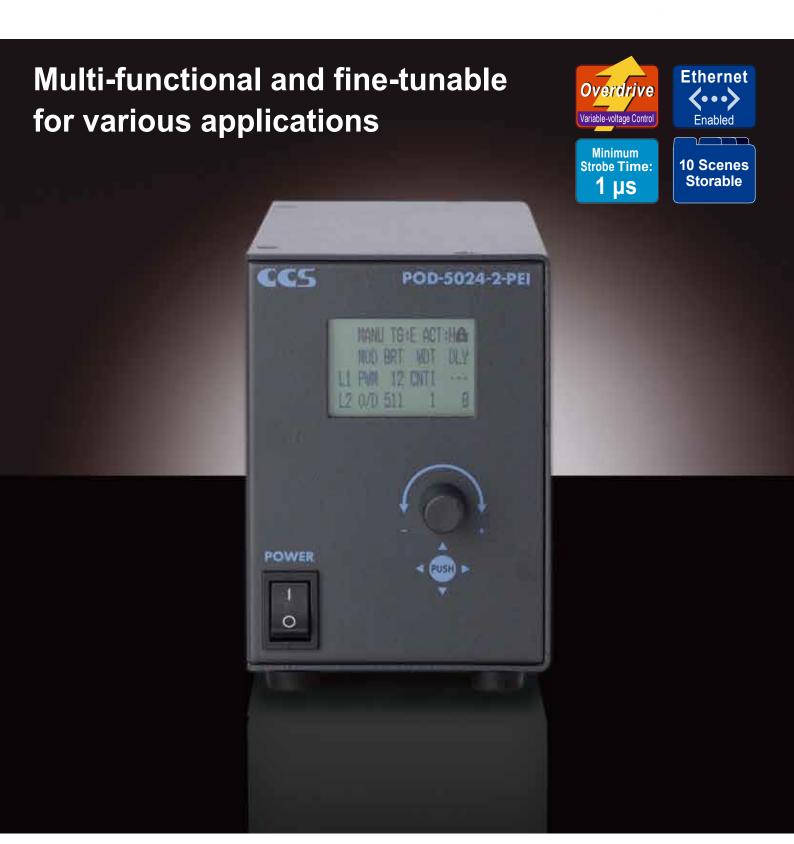


Strobe Overdrive Control Unit POD Series





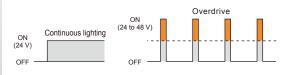
CCS Inc.

Voltage control during overdrive operation.



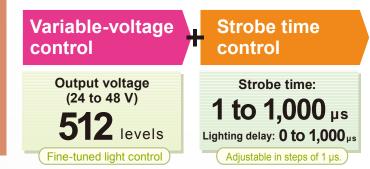
What Is "Overdrive"?

Overdrive is used to emit brighter light by applying a high voltage to an LED Light Unit only for flashes shorter than 1 ms. This voltage exceeds the voltage for continuous lighting.



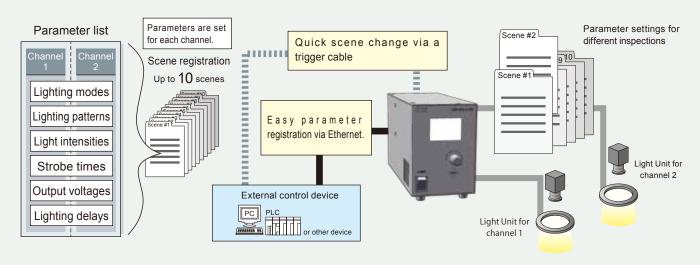
Features

Strobe lighting.
Overdrive specifications.



- Ethernet communications (Parallel port also available.)
- 2 channels
- Continuous lighting under PWM control

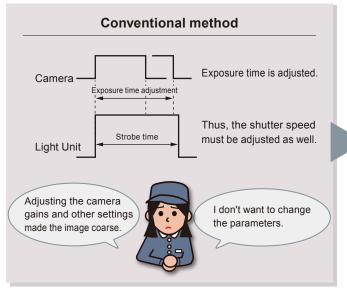
You can register the parameters according to your inspection scenes.

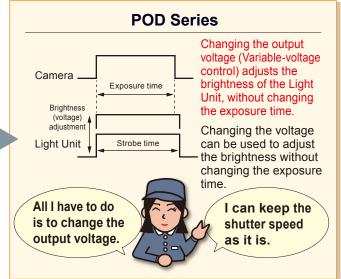


You can register sets of parameters called "scenes" that consist of the light control settings for the two channels. By just applying a scene to the channels, you can easily change the settings. Up to 10 scenes can be registered. Refer to the *Instruction Guide* for details.

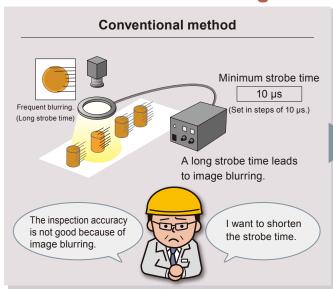
Using the POD Series

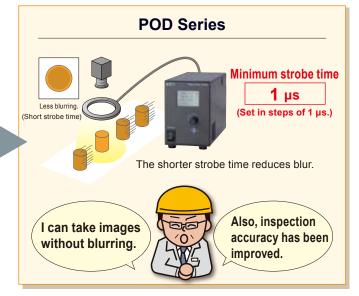
"I don't want to change the camera settings.
I want to adjust only the brightness of the Light Unit."



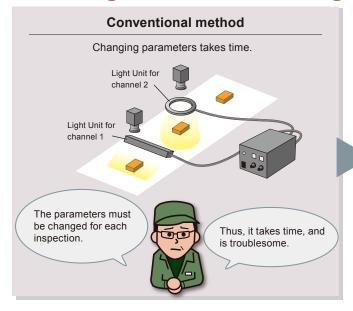


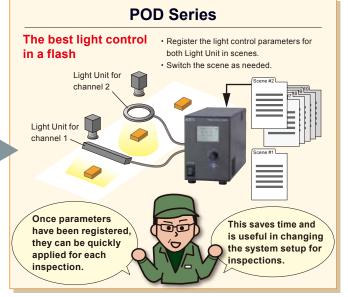
"I want to eliminate image blur."





Switching the scene according to the inspection item.





Specifications

Model	POD-5024-2-PEI			
Lighting method	Strobe lighting (Overdrive mode), Continuous lighting (PWM mode)			
Drive method	Constant-voltage system			
Intensity control method	Variable-voltage control, PWM control			
Number of channels	2 channels			
Output ratings (total for 2 channels)*	When both channels are in O/D Mode Output current: 10 A m			ax.
	When both channels are in PWM Mode		Output power: 45W max.	
	When the channels are used together with different lighting modes		Output current: 6.3 A max. and Output power: 36 W max.	
PWM frequency	125 kHz			
Light control settings	Manual	Operation on the front panel		
	External	Command input via TCP/IP or UDP/IP communications		512 levels
		Signal input through parallel port		
Strobe time settings	Manual	Operation on the front panel		1 to 1,000 μs (in steps of 1 μs)
	External	Command input via TCP/IP or UDP/IP communications		
		Signal input through parallel port		
Lighting delay settings	Manual	Operation on the front panel		0 to 1,000 µs (in steps of 1 µs)
	External	Command input via TCP/IP or UDP/IP communications		
		Signal input through parallel po	rt	

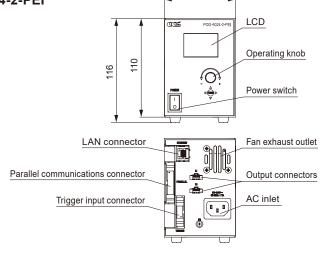
Input power	100 to 240 VAC (+10%, -15%), 50/60 Hz		
Power consumption (typ.)	65 VA		
Inrush current (typ.)	15 A (at 100 VAC), 36 A (at 240 VAC) from a cold start		
Ground leakage current	3.5 mA max. (264 VAC, 60 Hz, with no load)		
Output voltage (ratings)	Overdrive mode: 24 to 48 VDC, PWM mode: 24 VDC		
Insulation withstand voltage (input-output, input-FG)	1500 VAC for one minute, Cutoff current: 10 mA, 500 VDC, 20 M Ω min.		
Overvoltage category	Category II		
Operating environment	Temperature: 0 to 40°C, Humidity: 20% to 85% (with no condensation) Altitude: 2,000 m max., Protective ground class: Class I, Pollution degree: 2, Indoor use onl		
Storage environment	Temperature: −20 to 60°C, Humidity: 20% to 85% (with no condensation)		
Vibration resistance	Acceleration: 19.6 m/s², Frequency: 10 to 55 Hz, Cycles: 3 minutes, Sweep cycle: for 1 hour each in X, Y, and Z direction		
Cooling method	Forced air cooling		
CE Marking	Safety standard: Conforms to EN 61010-1, EMC standard: Conforms to EN61000-6-2, EN61000-6-4		
Environmental regulations	RoHS compliant		
Material, coating, and surface processing	Steel sheet, Cover thickness: 1.6 mm, Chassis thickness: 1.0 mm, N3 (leather tone		
Weight	1,500 g max.		
Accessories	One Instruction Guide, One 2-m-long 3-prong AC power cord with ground terminal		

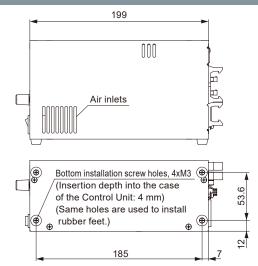
^{*} For information on the combination of Light Units and POD-series Control Unit, please refer to our website. http://www.ccs-grp.com/lnk/qr/pod

79.2

Dimensions (mm)

POD-5024-2-PEI C€

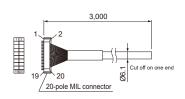




Optional Accessories

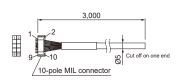
Parallel Communications Cable

Model: EXCB2-M20-3

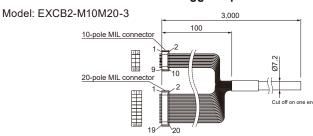


Trigger Input Cable

Model: EXCB2-M10-3



Parallel Communications and Trigger Input Branch Cable



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 - 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.