



Key Features

- Constant current type
- Max Current 3A
- Max. Switching freq. 100kHz
- Fast current response $< 0.5 \mu\text{s}$
- Min. pulse duration: $5 \mu\text{s}$

Application

- Controlling exposure for TDI line scan camera
- Multi-strobing for Line & Area scan vision
- Where Precise & Uniform illumination is required

Constant current controller with Safe & User-friendly Technology

High-power & high-speed LED current control

- Generates repeatable fast & high-power pulse for instant and accurate strobing LED
- Able to acquire the signals up to 100kHz

Provides uniform brightness of lighting output without ripple

- Current-control ensures no change in cable resistance and length
- Protection from switching noise and external noise of power for uniform lighting

TDI Exposure control function

- Controlling exposure time for TDI line scan cameras by LED
- Maintaining uniform quantity of light regardless of speed change

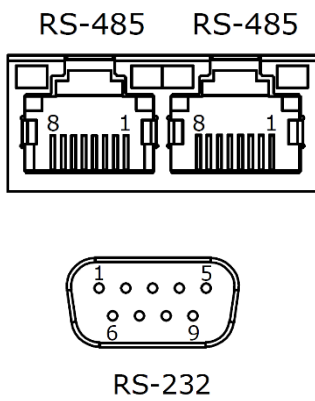
Improvement LED's durability

- Lifespan of LED can be extended by pulsed current

1. Specifications

Model	IP-4P4S-3C
Interface	RS-485 & RS-232
Drive type	Constant current
No. of Channel	4
Min. Pulse width	5μs
Max. Switching frequency	100kHz
LED Voltage	1~48V
Max. Power (Continuous / Pulse)	50W / 150W
Max. Current	3A
Auto Voltage	0
No. of strobe controllers configurable	Max. 250 (Modbus Protocol)

2. Interface Pin-map.



RS-485 PORT PIN CONFIGURATION		
3	RS485 Data(A)+	Non-inverting receiver input & driver output
6	RS485 Data(B)-	Inverting receiver input & driver output
4	Trigger Input -	Trigger input RJ45 Port -
5	Trigger Input +	Trigger input RJ45 Port +
7,8	GND	Ground
RS-232 PORT PIN CONFIGURATION		
2	RXD	Receive Data
3	TXD	Transmit Data
5	GND	Ground

3. Mechanical Dimensions

