

Digital Controller

NV-PD Series



Digital Controller (NV-PD Series)

The digital controller provides high precision brightness control for the machine vision LED light, and also realizes stroboscopic control, so as to extend the service life of the light. RS232 communication serial port can be connected to the computer for remote control, providing 256 level brightness control adjustment.



Features

Note: the controller for low-power 1000-level light needs to communicate with the manufacturer for customization.

- ◇ Each channel can be controlled independently, and there are 256-levels of brightness adjustment.
- ◇ Over-current protection
- ◇ With the function of power off saving, the customer may not have to set the parameters every time when starting the machine.
- ◇ RS232 serial port can be used to connect the controller to the computer for remote control
- ◇ External trigger high and low level optional, flexible operation.

Technical Index

Note: the high-power 450W 500W 600W controller (all adopt constant current mode) needs to communicate with the manufacturer for customization.

Model	NV-PD60W-24-2-MD	NV-PD120W/200W-24-4-MD	NV--PD350W-24-2-MD
Input voltage	100-240ACV 50/60HZ	100-240ACV 50/60HZ	100-240ACV 50/60HZ
Output voltage	24V	24V	24V
Drive mode	PWM	PWM	PWM
Brightness level	0~255 Adjustable	0~255 Adjustable	0~255 Adjustable
External trigger voltage	5~24V	5~24V	5~24V
Trigger delay	<50us	<50us	<80us
Max current of single channel	2.5A	5A/8A	14A
Total output voltage	60W	120W/200W	350W
Working mode	H..1Normally on H..0Normally off(switch)	H..1Normally on H..0Normally off(switch)	H..1Normally on H..0Normally off(switch)
Communication mode	RSZ32	RSZ3Z	RSZ32
Ambient temperature	—5~50℃	—5~50℃	—5~50℃

Installation diagram

