

Two channel stroboscopic brightening digital controller (DPS)

LS-DPS-H series · Light controllers · 1 model



Two channel stroboscopic brightening digital controller: with a conventional 24V light source it can instantly raise the brightness more than 3 times; high speed optocoupler, internal and external trigger, strobe time 0-999us, and automatic trigger output to the camera.

Features

- Small volume
- Exquisite appearance
- High speed optocoupler, short response time
- Supports internal and external trigger modes
- Stroboscopic time can be set to 0-999us
- Combined with the conventional 24V light source, it can instantly improve the brightness of the light source more than 3 times
- Automatically outputs the trigger signal of the camera and synchronously triggers the camera to capture images

Applications

- Powering machine vision LED light sources, brightness control and strobe (trigger) control

Common specifications

Control mode	PWM (pulse driven type)
Input voltage	AC 110-220V
Output voltage	DC 48V (moment)
Manual adjustment	yes (adjust by key)
Remote adjustment	yes (through the upper computer software)
Luminance level memory	yes (remembered 3 seconds after adjustment)
RS232 communication baud rate	9600
Adjustable brightness level	0-999 level
Max. power output/channel	40W (the power of the single-pass connected light source is <=40W)
External trigger mode	High level trigger (effective trigger voltage range 5-24V DC)

External trigger delay time	H, ON→OFF <10us
External trigger frequency	<1/5T (determined by the external trigger signal, but affected by the stroboscopic pulse width)
Work environment	Temperature: -10~50 °C, Humidity: 20~80%
Storage environment	Temperature: -20~70 °C, Humidity: 10~90%
Stand-by power consumption	<1W
Boundary dimension (mm)	123x85x158mm (LxWxH)

Ordering code: LS-<A analog / D digital><P PWM / C current / V voltage driven><M mini / S standard><2.0 = 2nd generation>-<channels>C<max W per channel>W-<output V><PS passive / AS active / S switch-level trigger>

Models

Model	Channel	Power/CH	External trigger	Channels
LS-DPSH-2C040W40W-48PS	2	40W	yes	2

Dimensions

