

PMS-VP GE Series

Multi-Channel Digital Light Source Controller

RS232 communication | independent channel control | precise LED brightness regulation



KEY FEATURES

256-Level Brightness

256 0-255 digital brightness adjustment with precise

Independent Channels

CH Each output channel can be adjusted independently.

Panel / Remote Control

RS Local front-panel control or RS232 remote operation.

Fast External Trigger

TR Opto-isolated high-speed trigger for stable response.

Overload Protection

SAFE Automatic overload protection for safer operation.

Wide AC Input

AC AC 110-220 V input for flexible industrial deployment.

MODEL LINEUP

PMS-VPGE5-4PRT

PMS-VPGE24-4PRT

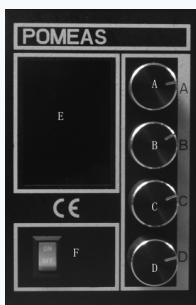
PMS-VPGE24-2PRT

PMS-VPGE12-4PRT

Performance Highlights

- Highly integrated digital circuitry helps minimize LED color shift across brightness levels.
- Brightness control up to 1000 steps helps fine-tune illumination for inspection setup.
- Rotary encoder controls improve manual adjustment efficiency and switch service life.
- Isolated RS232 interface supports hot-plugging and improves protection against static discharge.
- Constant-current accuracy: 5%.
- Conversion efficiency: up to 95% or higher.
- LED level display supports repeatable parameter standardization.
- Wide AC 110-220 V power input.

Front & Rear Interface



- A** Brightness +/-1
- B** Brightness +/-10
- C** Brightness +/-100
- D** Channel / control mode
- E** Display
- F** Power switch



- A** CH1 output
- B** CH2 output
- C** CH3 output
- D** CH4 output
- E** External trigger
- F** RS232 port
- G** AC power input

Model Specifications

Model	RS232	Ch.	Output V	Output I	Trigger	Recommended load
PMS-VPGE5-4PRT	Yes	4	5 V	800 mA	Yes	1 LED / group
PMS-VPGE24-4PRT	Yes	4	24 V	400 mA	Yes	2-3 LEDs series / group
PMS-VPGE24-2PRT	Yes	2	24 V	800 mA	Yes	4-6 LEDs series / group
PMS-VPGE12-4PRT	Yes	4	12 V	800 mA	Yes	4-6 LEDs series / group

Designed for stable LED illumination control in machine vision and precision inspection systems.