

Two / four channel mini digital controller (DCM2.0 series)

LS-DCM2.0 series · Light controllers · 8 models

Second generation mini digital constant-current controller, 2 or 4 channels, DC24V input, key and RS232 (PC software) brightness control in 255 levels, passive external trigger. The controller provides power to the light source and controls its brightness and lighting state (on, off); a trigger signal to the controller strobes the light source and prolongs its life. Digital controllers can be controlled remotely by PC equipment.

Features

- Exquisite appearance
- Easy installation
- Add guide buckle (DIN rail clip)
- Easy operation
- Operation panel front
- Noiseless fan
- High power
- Strong heat dissipation
- Constant current stable output/no strobe
- Adjust by key or upper computer software (RS232)



Applications

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

Common specifications

Control mode	Constant current
Input voltage	DC24V
Output voltage range	DC14.0~24.0V
Manual adjustment	yes (adjust by key)
Remote adjustment	yes (through the upper computer software)
Luminance level memory	yes (memory automatically remembered 8 seconds after adjustment)
RS232 communication baud rate	9600
Adjustable brightness level	Level 255 (long press rough adjustment, short press fine adjustment; also adjustable by PC software)
External trigger mode	Passive triggering (effective trigger voltage range 5-24V DC)
External trigger delay time	H, ON→OFF <15us; H, OFF→ON <15us (H = high level trigger)
External trigger frequency	<1/T (determined by the strobe time, e.g. T=1ms gives at most 1KHz)
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)	128x60x158mm (LxWxH)
Weight	0.7Kg

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>

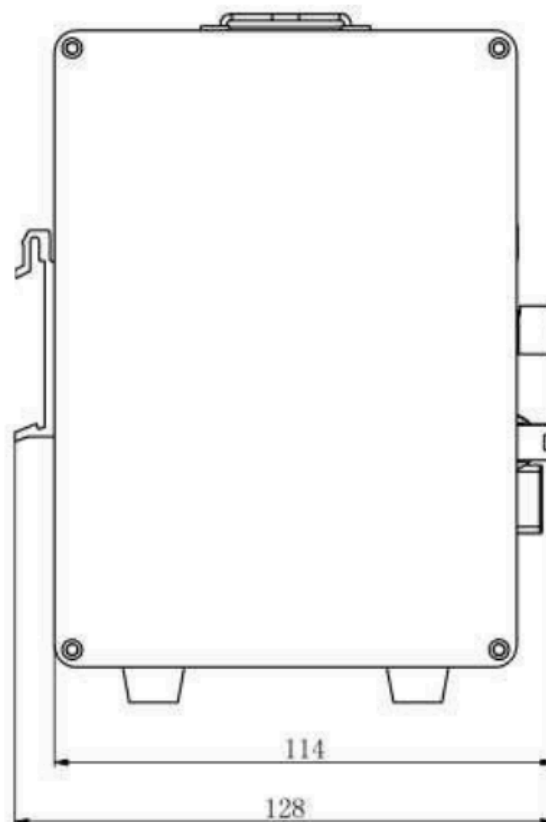
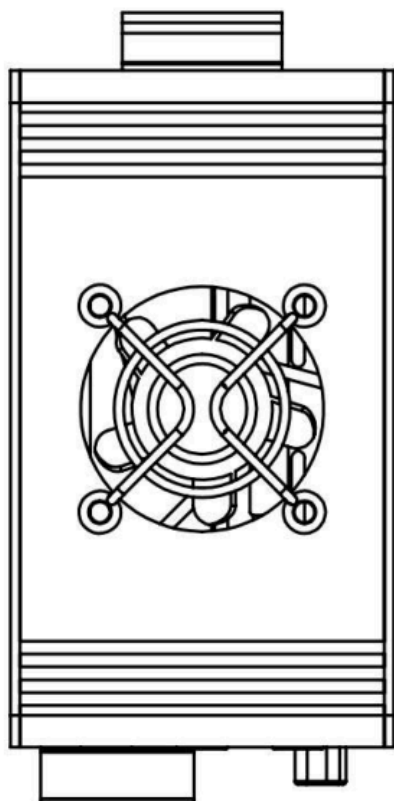
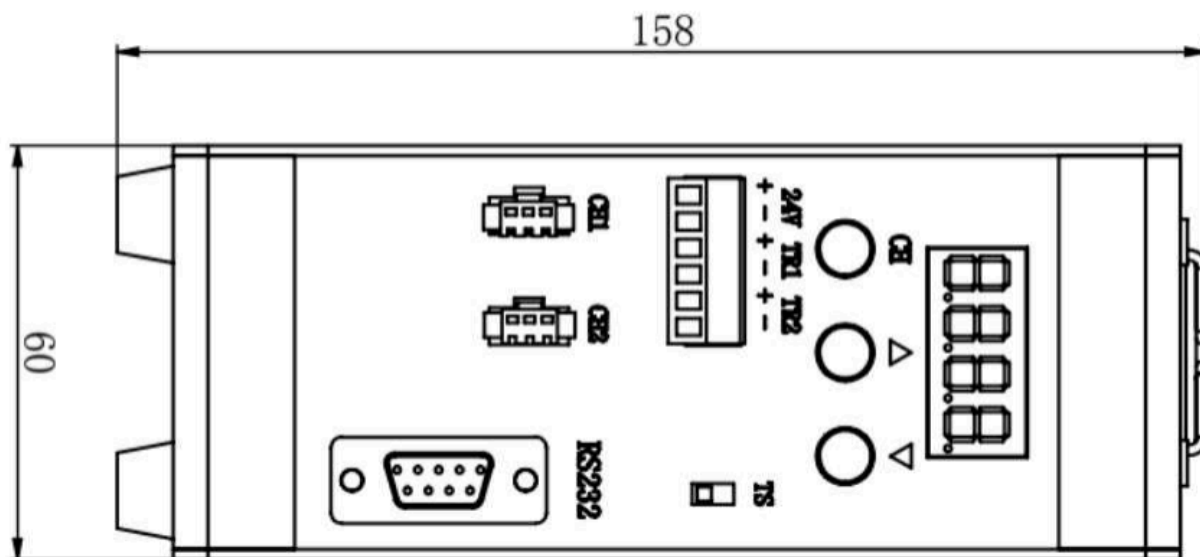
Models

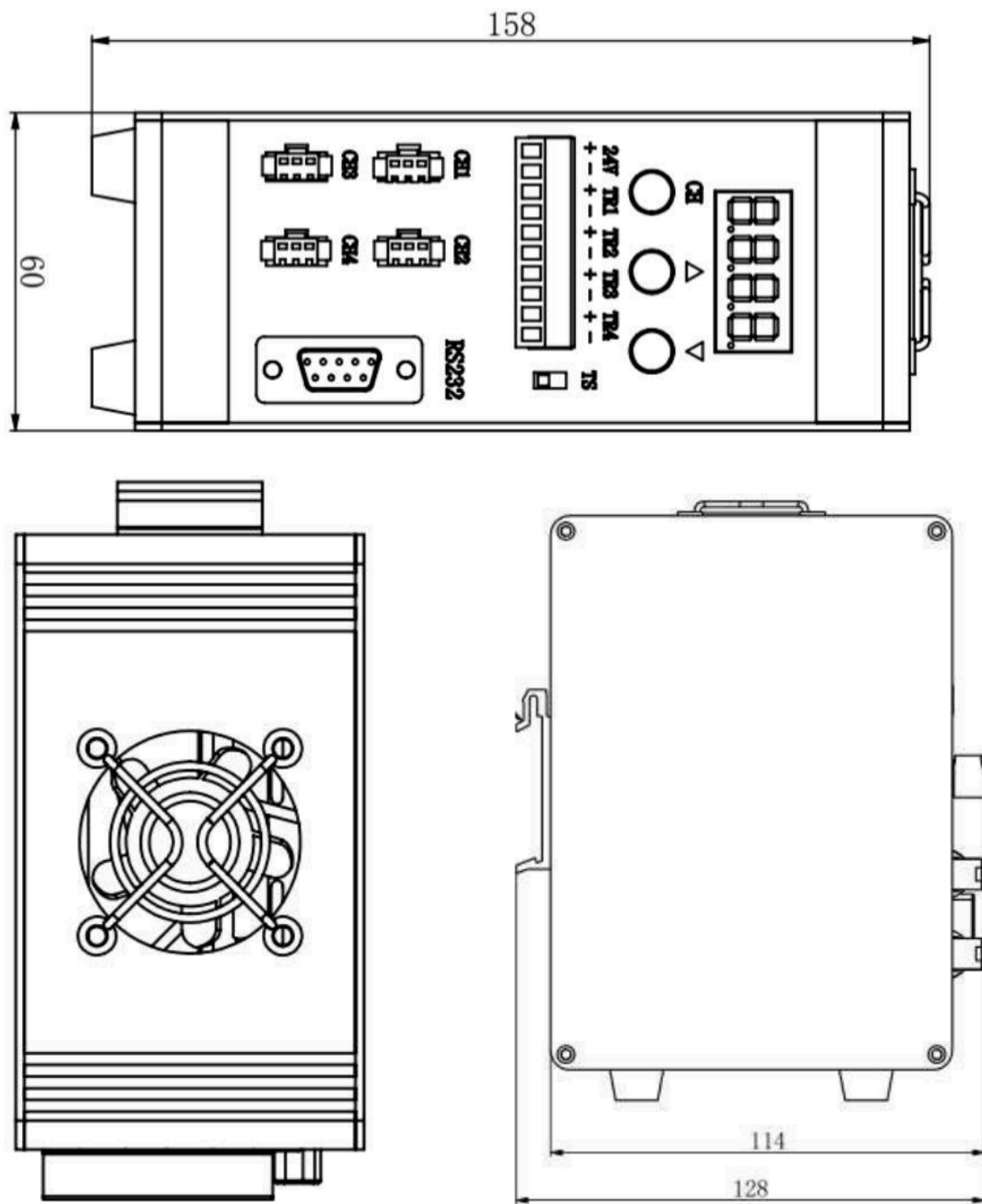
Model	Channel	Power/CH	Output voltage	Input power	Channels	Total power	Total output (W)
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LS-DCM2.0-2C003W-5PS	2	3W	5V	>=60W	2	-	-
LS-DCM2.0-2C010W-12PS	2	10W	12V	>=60W	2	-	-
LS-DCM2.0-2C030W-24PS	2	30W	24V	>=60W	2	60W	60
LS-DCM2.0-2C060W-24PS	2	60W	24V	>=60W	2	120W	120
LS-DCM2.0-4C003W-5PS	4	3W	5V	>=120W	4	-	-
LS-DCM2.0-4C010W-12PS	4	10W	12V	>=120W	4	-	-
LS-DCM2.0-4C015W-24PS	4	15W	24V	>=120W	4	60W	60
LS-DCM2.0-4C030W-24PS	4	30W	24V	>=120W	4	120W	120

More values per model (External trigger) are on each product page.

Dimensions





Product views

