

Standard digital controller (DCS series, incl. high power)

LS-DCS series · Light controllers · 10 models



Standard digital constant-current light controller (ordinary type), 1, 2 or 4 channels up to 600 W per channel; current control makes LED brightness more stable so the camera takes pictures without stroboscopic phenomenon. 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

- Current control: LED brightness is more stable, the camera takes pictures without stroboscopic phenomenon
- High and low level trigger switching
- Brightness 255 level adjustable
- RS232 serial port control

Applications

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

Common specifications

Type of drive	Constant current
Input voltage	100-220V AC
Output voltage range	DC14.0V~24.0V
External trigger mode	Passive trigger, high and low level trigger can be switched (effective trigger voltage range 5-24V DC; 6-24V DC on the 4-channel high power page)
External trigger delay time	H, ON→OFF <60us; H, OFF→ON <60us; L, ON→OFF <80us; L, OFF→ON <80us
External trigger frequency	<1/T (e.g. T=1ms gives at most 1KHz)
Work environment	Temperature: -10~50 °C, Humidity: 20~80%RH non-solidification
Storage environment	Temperature: -20~70 °C, Humidity: 10~55%RH non-solidification
Stand-by power consumption	<1W
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)

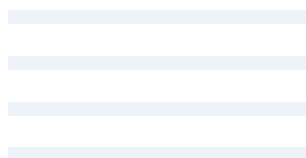
Ordering code: LS-<A analog / D digital><P PWM / C current / V voltage driven><M mini / S standard><2.0 = 2nd generation>-<channels>C<max W per channel>W-<output V><PS passive / AS active / S switch-level trigger>

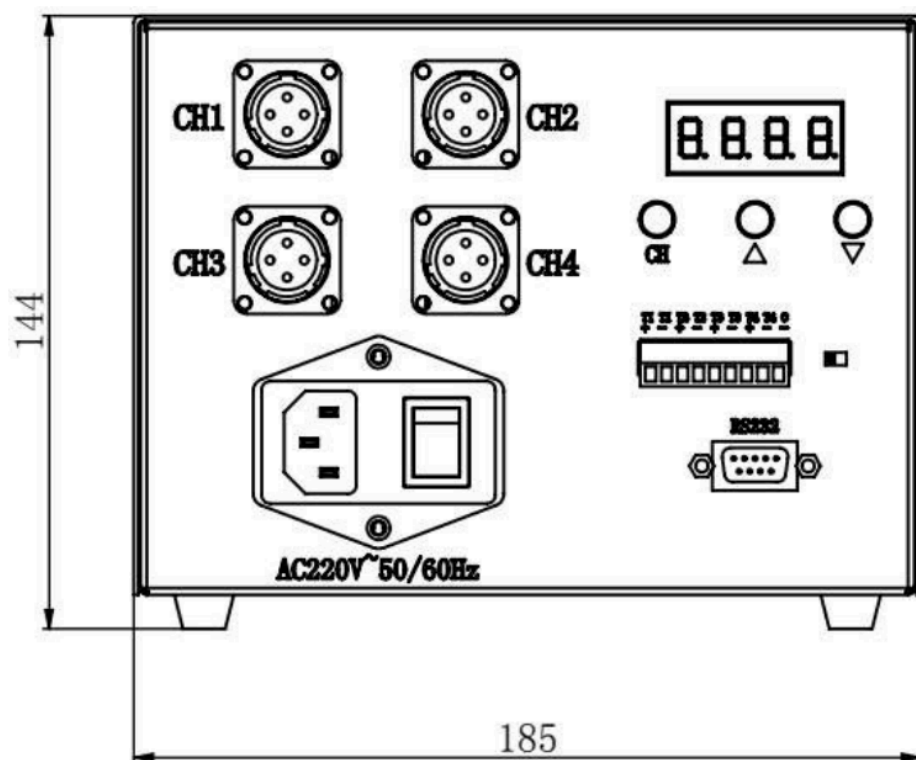
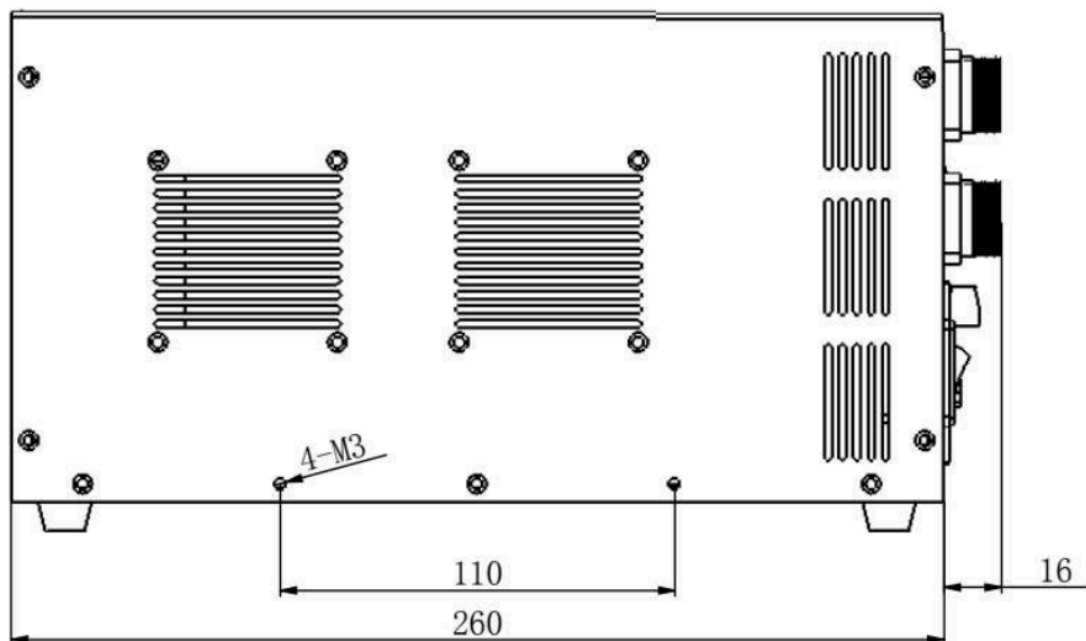
Models

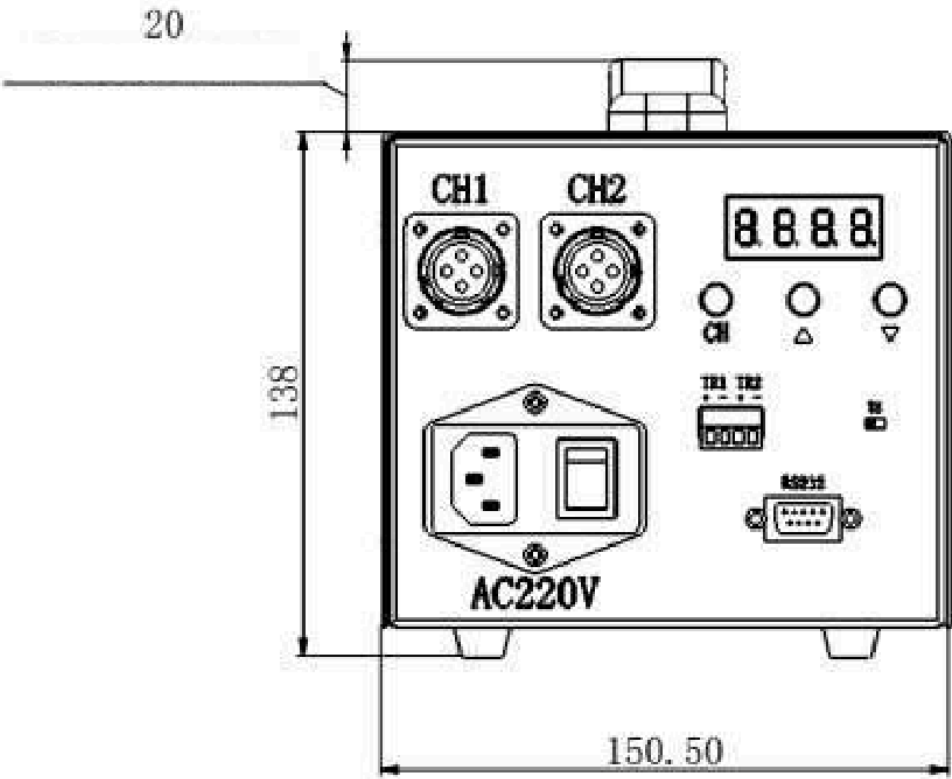
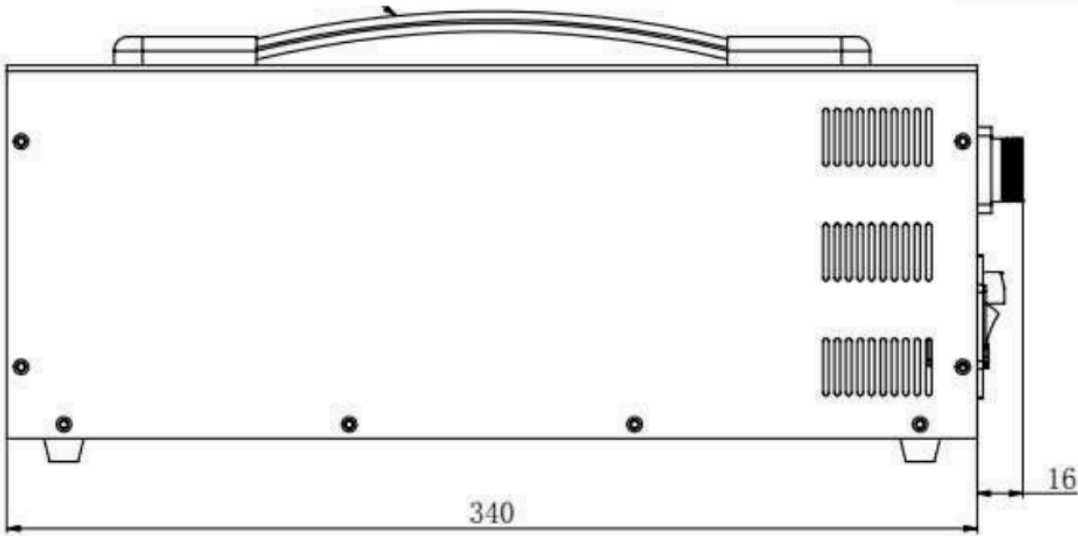
Model	Channel	Power/ CH	Total power	Channels	Control	Boundary dimension (mm)	Weight
LS-DCS-1C200W-24PS	1	200W	200W	1	Digital	-	-
LS-DCS-1C600W-24PS	1	600W	600W	1	Digital	-	-
LS-DCS-2C150W-24PS	2	150W	300W	2	Digital: keys / RS232	276x185x144mm (LxWxH)	2.0Kg
LS-DCS-2C200W-24PS	2	200W	400W	2	Digital	-	-
LS-DCS-2C300W-24PS	2	300W	600W	2	Digital: keys / RS232	356x150x144.5mm (LxWxH)	5.2Kg
LS-DCS-4C080W-24PS	4	80W	320W	4	Digital: keys / RS232	276x185x144mm (LxWxH)	2.6Kg
LS-DCS-4C050W-24PS	4	50W	-	4	Digital: keys / RS232	276x185x144mm (LxWxH)	2.6Kg
LS-DCS-1C500W-24PS	1	500W	-	1	Digital: keys / RS232	356x150x144.5mm (LxWxH)	5.2Kg
LS-DCS-2C100W-24PS	2	100W	-	2	Digital: keys / RS232	276x185x144mm (LxWxH)	2.0Kg
LS-DCS-1C300W-24PS	1	300W	-	1	Digital: keys / RS232	276x185x144mm (LxWxH)	2.0Kg

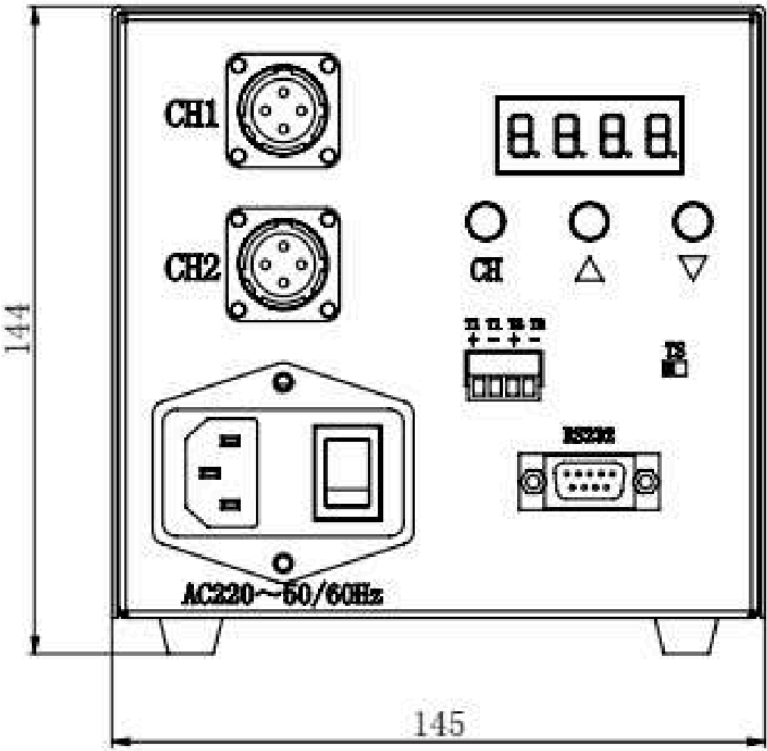
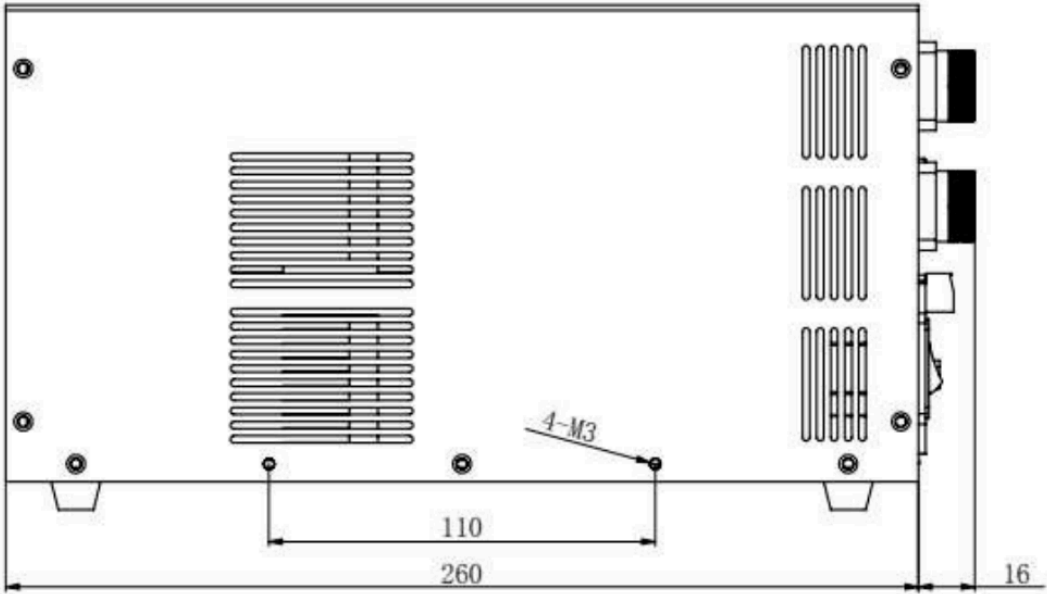
More values per model (Output voltage, External trigger, Total output (W)) are on each product page.

Dimensions









Product views

