

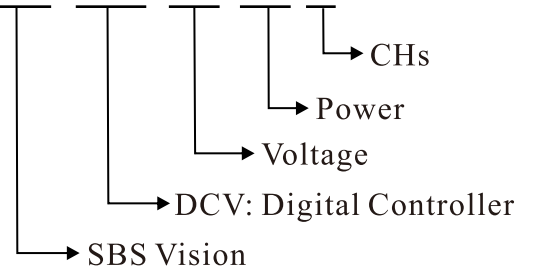


Products Features

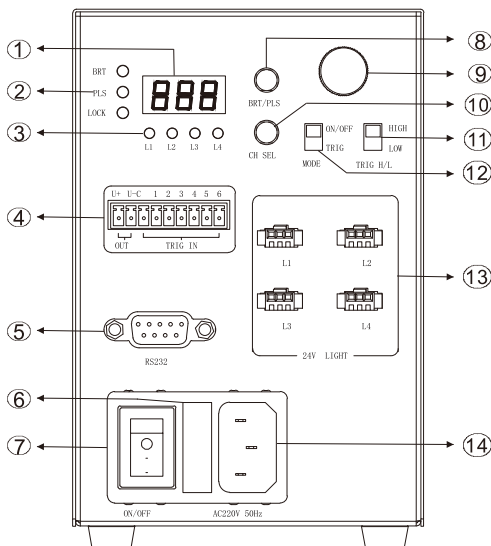
- ▶ RS-232/EIA-485 communication.
- ▶ PWM control, short trig response time.
- ▶ Channels can be controlled individually, communication command can be combined by one code or series of codes.
- ▶ External trig signal can control the Light ON/OFF and the time of lighting.
- ▶ The intensity can be adjusted by the button in the panel and it also can be adjusted via PLC or other machine vision devices.

Model Description

SBS-DCV-XX-XX-X



Panel description

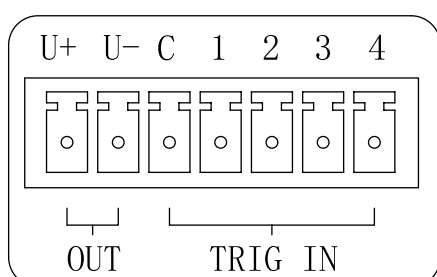


No.	Keys	Description
①	Digital screen	\
②	Function indicator lamp	BRT:intensity level adjust; PLS:strobe time; LOCK: lock
③	Channel indicator lamp	CH1~CH4/CH1~CH6
④	External trigger connector	\
⑤	Communication connector	RS-232/EIA-485
⑥	Fuse	\
⑦	ON/OFF switch	ON/OFF
⑧	Mode select key	BRT:intensity level adjust; PLS:strobe time setting ; PWM frequency setting by pressing 3 seconds continuously
⑨	Data adjust button	\
⑩	Channel select key	Select channel; lock the interface by pressing 3 seconds continuously
⑪	Trigger mode switch key	HIGH: rising edge trigger (high level); LOW: falling edge trigger (low level);
⑫	Continuous/strobe mode switch key	ON/OFF: continuous mode; TRIG: strobe mode
⑬	Connector for Light	24V input Light
⑭	AC power plug	AC100~240V/50~60Hz

Parameter

Item	Description	
Model	SBS-DCV24-60-4/6	SBS-DCV24-150-4/6
Lighting states	Continuous/Strobe	
Intensity adjust method	PWM control/ lighting time control	
Drive mode	Constant voltage	
Communication	RS-232/EIA-485	
Channel	4/6 channels	4/6 channels
Max output current of single channel	2.5A	3A
Total output power	60W	150W
Input voltage	AC100~240V	
Trigger input voltage	DC5~24V	
Output voltage	DC24V	
Lighting trigger delay	Not more than 1us	
Strobe lighting time	0~999ms	
Intensity level	0~255	
Weight (kg)	0.8	
PMW frequency	140KHz It can be setted via Panel or software	
Error detection display	It shows "OCP"	
Over current protection	It will be started when the output current is over 107% and it shows "OCP" It will recover by restarting the ON/OFF switch	
Usage environment	Temperature: -10~50°C humidity: 20~85%RH (not frozen)	
Storage environment	Temperature: -20~60°C humidity: 20~85%RH (not frozen)	
Cooling way	Natural cooling	Fan cooling

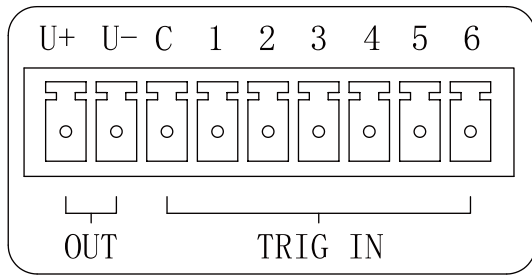
Connector



Pin	Description	
C	Common	polarity-free, bipolar transmission
1	Trigger input for CH1	
2	Trigger input for CH2	
3	Trigger input for CH3	
4	Trigger input for CH4	
U+	5v/200mA output	output +
U-		output -



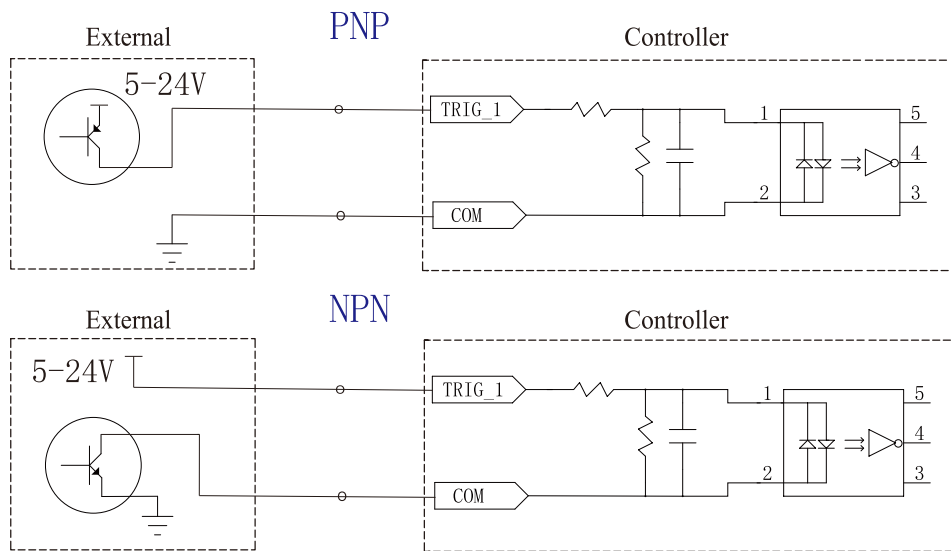
vision solution Digital Controller



Pin	Description		
C	Common	polarity-free, bipolar transmission	
1	Trigger input for CH1		
2	Trigger input for CH2		
3	Trigger input for CH3		
4	Trigger input for CH4		
5	Trigger input for CH5		
6	Trigger input for CH6		
U+	5v/200mA output		output +
U-			output -

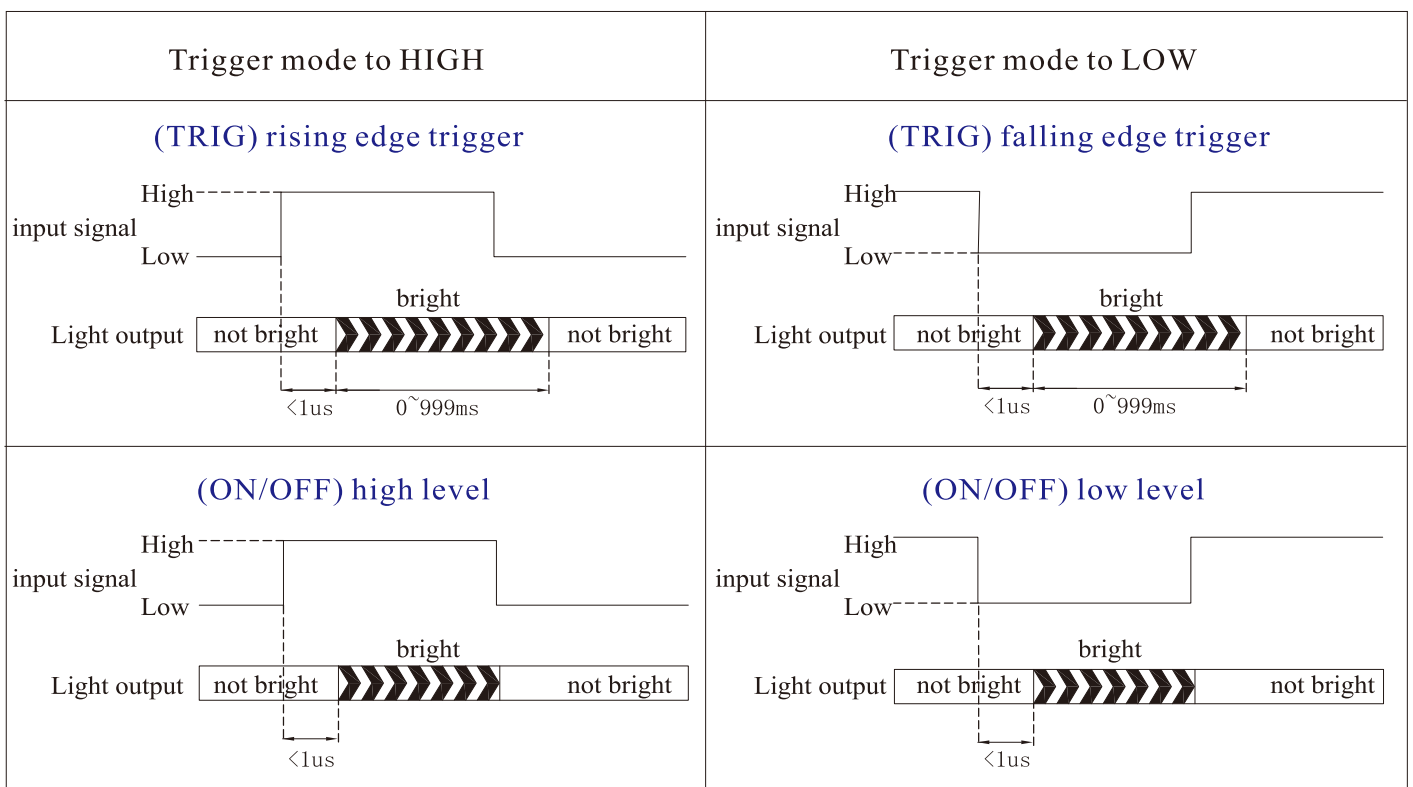
Control mode and lighting mode

Trigger input method (take L1 as an example)



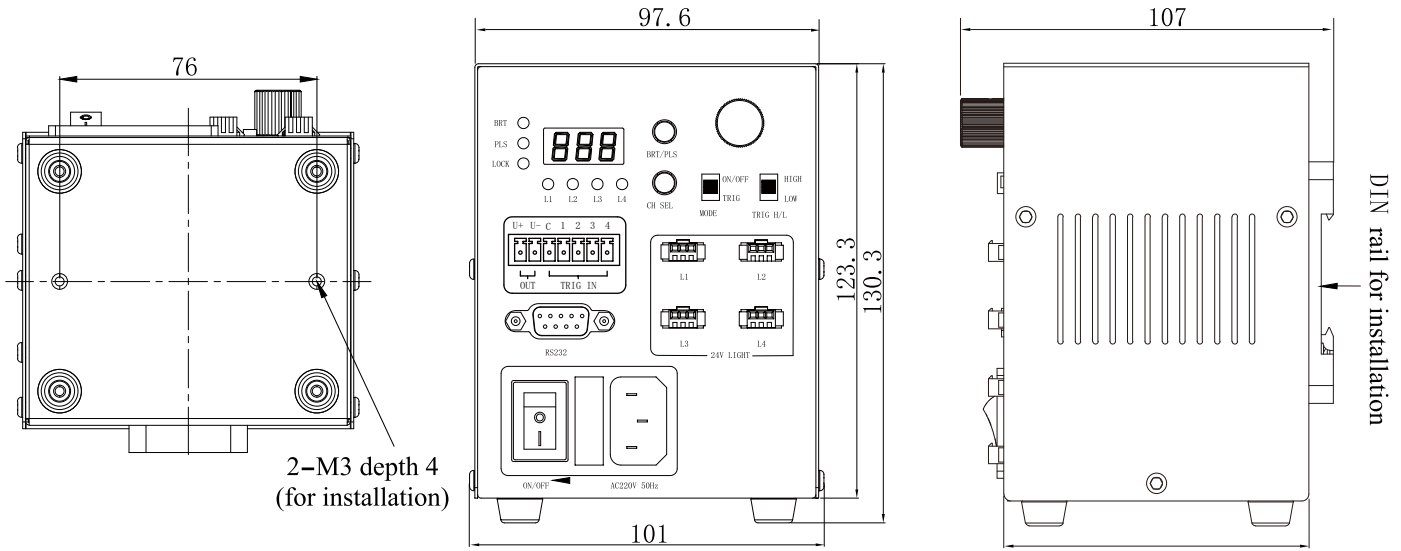
The external trigger for the controller can't use the high mechanical switch like relay as trigger driving.

Control mode



Dimensions (mm)

SBS-DCV24-60-4/SBS-DCV24-150-4



SBS-DCV24-60-6/SBS-DCV24-150-6

