Brighten Strobe Controller New

3STU Series

3LINH 3LINL 3LIN

2LINS 2LIN

2COXL

SDI

STI

RN

RNH SRN HPR FPR DML

3DN 2DN LFX

RIF

DL

3BRH

2BR 2BRS

2BRM

3COH

3CON

COXR 3COX COPA HSL 2SL

SI

RNMU

2FTB/ 2FTR

FTC

2FT 3FT

LIF

IR

PS PD

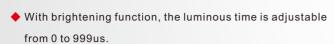
2DRC

3STU

APC DPC 2APC

DPA 2ACC

2DPC



- ♦ With normal on function, the luminance is 0-100% adjustable
- ◆ Easy to operate, manual control or use RS232 to control.
- ♦ High precision output, fast response, short time delay.
- ♦ Short-circuit protection and data storage function.



Control panel specification<LTS-3STU48200-4>

No.	Parameter	Specification				
1	4 digital tube	Display channel number, percentage, lighting time (0-999us)				
2	Button	Adjust channels and percentage when internal trigger, adjust channels and lighting time when external trigger.				
3	External trigger signal input interface	Input external trigger signal, to control the light strobing				
4	Serial port communication	Connect to PC, remote operate controller				
5	Light interface	connect the light				
6	Power switch	on/ off controller power				
7	Camera synchronous trigger signal output interface	The 12V output pulse signal is synchronized with the output signal of the light, can trigger camera shooting				
8	Internal / External trigger mode switch	Move switch up, controller is under external trigger mode, move switch down, controller is under internal trigger mode (Normal on mode)				
9	Rising edge / failling edge trigger switch	Move switch up, rising edge trigger, move switch down, failling edge trigger				
10	AC input interface	input AC100-240V				

Connection step

Step 1: connected the light and controller (Reference to the picture on the right).

Step 2: external trigger signal connected to external trigger signal input interface of controller, camera synchronous trigger signal connected to camera synchronous trigger signal interface of controller, when need to trigger camera.

Step 3: If need to control the luminance by PC, please connect the PC with controller by RS232 data line in the power off status, then control by our demo program or the program you write yourself. Can set-up the each channel parameter manual when operated by serial port mode. That's to say, the upper computer and controller all can set-up the parameter.

Step 4: connect power (AC100-240V 1.5A), press the red switch "-", indicator light up, "o" uplifted, power on.

1. 4 digital tube 7. Camera synchronous trigger signal output interface 3. External trigger signal input interface 8. Internal / External trigger mode switch 9. Rising edge / failling edge trigger switch 4. Serial port 6. Power switch 5. Light interface

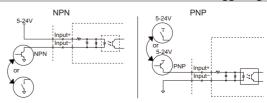
Sequence chart External trigger signal Output voltage Output trigger signal Camera shutter time T1 T2 T3 T4 T5 T6

The controller get the external trigger signal, then delay time T1 \leq 2us, the light on. The lighting time is the set-up time on the controller panel, T5 on the sequence chart, T5 \leq 999us. To send a signal to trigger the camera or external device after T2 \leq 2us delay time of the light on. The camera can delay T3 \leq 30us to shoot, the photos on this moment have highest luminance. Light off after camera shoot over and the light lightening time constantly T5, then the one working period was accomplished. The twice trigger time interval is more than 1.42ms

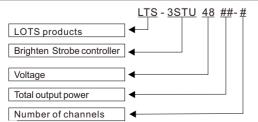
rall can set-up the parameter. > Mode set-up

Working mode	Control method
Internal self-trigger mode / external trigger mode	Control by toggle switch (mode)
Rising edge trigger / failling edge trigger	Control by toggle switch (TRIG)

→ Wire connection method of the external trigger signal



> Coding Rule





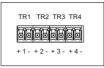
http://www.lotsmv.com

Brighten Strobe Controller

3STU Series

→ Input wire connection method of the external trigger signal

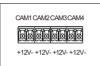
3STU series controller can set-up rising edge trigger / failling edge trigger, LTS-3STU48200-4 have 4 trigger interface, each with + - , input (5-24V) high level between + -, trigger function can be realized.



Remark: TR1 (+1-) trigger CH1, TR12(+2-) trigger CH2, TR3 (+3-) trigger CH3, TR4 (+4-) trigger CH4.

> Wire connection method of camera synchronous trigger signal

3STU series controller have 4 sets 12V camera trigger signal, synchronous with the output light, used for camera trigger, can trigger the camera shooting while the light on.



Remark: CAM1 and CH1 output synchronously, CAM2 and CH2 output synchronously, CAM1 and CH1 output synchronously, CAM2 and CH2 output synchronously.

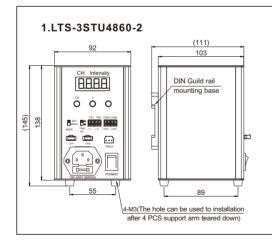
→ Parameters

Item	LTS-3STU4860-2	LTS-3STU48200-2/4	Remark
Number of channels	2 way	2, 4 way	
Input voltage	AC 1		
Input frequency range	50		
Output voltage			
Working mode	Normal on m mode / exter		
Luminance control method	manual a PC remo		
Luminance control mode	br		
Lighting time	0-		
Baud rate	96		
Communication	RS232		
Trigger signal	rising / faill		
Lighting time delay			
External trigger signal effective frequency	<7	704Hz	cycle>1.42ms

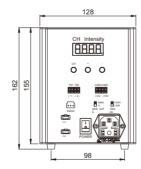
→ Controller model

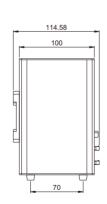
Product	Model	Output voltage range	Total output power	One way Max. output power	Number of channels	Dimen -sion	Extenal trigger voltage	Remark
Brighten strobe controller	LTS-3STU4860-2	48V	60W	30W	2	1	trigger or failling adjus	Botton operation, pulse width adjustable, communication and digital tube display
	LTS-3STU48200-2	48V	200W	100W	2	2		
	LTS-3STU48200-4	48V	200W	60W	4	2		

→ Boundary dimension(mm)



2.LTS-3STU48200-2/4





3LINL 3LIN 2LINS 2LIN 2COXL 2LINM SDL STL RN RNH SEN Illumin HPR FPR DML LER 3DM 2DM Shadowless LFX FPQ RIH DL 3BRH 2BRS 2RRM 3СОН 3CON COXR 3СОХ COPA HSL 2SL SL RNMU FTC Waterproof LIP Infrared light iolet Ultra PS PD 2DRC 3STU

3LINH

APC DPC

DPC
2APC
DPA
2ACC
2DPC
Area