

Product Name: EXC-2905

https://www.exc-led.com/zlxz/list_26.html

Application:

Environment:

Indoor

Outdoor

Product Description

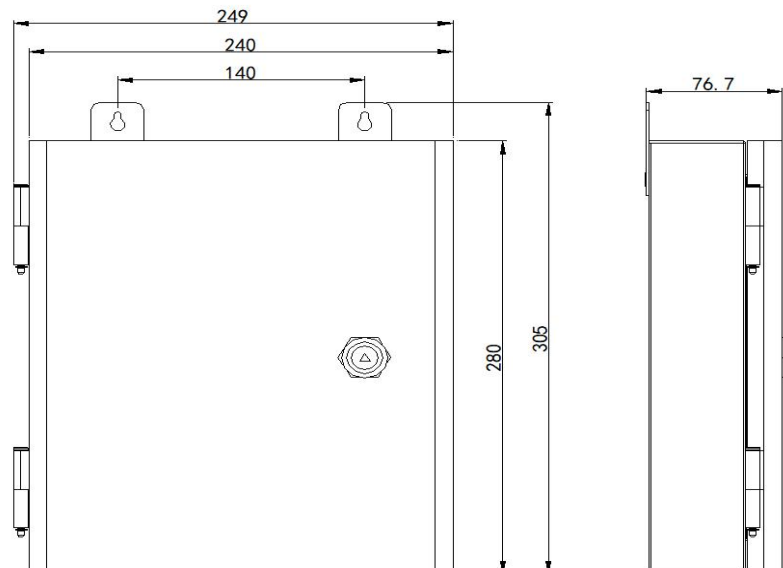
EXC-2905 series sub controller is specially designed for outdoor lighting engineering. It adopts advanced digital video processing technology, combined with leading FPGA technology, takes the optimized algorithm model as the core, and then realizes the perfect video presentation. It is equipped with EXC-5000G series light controller and 8-port sub controller designed for Internet remote control system, The sub controller adopts optimized network transmission protocol and supports 100m and Gigabit adaptive LAN connection, which is very flexible. The EXC-2905 sub controller is used together with the switch to form a lighting system network. It can also support the standard switching unit network or use the existing LAN resources.

Features

- Sub-Controller, Need work with main controller
- 8 output port, every port 512 pixels
- Support Ethernet Interface and TCP/IP/UDP protocol
- Support parallel connection with switch: decrease the amount of the cascade connection of the controllers to increase the system stability.
- Support GPS synchronize/BTS synchronize control system
- Maximum support 60 FPS. support 65536 grey scale.
- Support standard DMX512/1990 protocol and expand DMX512 protocol
- Support independently control of the Red, Green, Blue color. Users will get the mix-white color. more effective and easier.
- Support automated, timing, preset program files.
- Support different type of protocol in one system.
- More effective protection circuit to protect each ports of the controller.
- Support all series of EXC products.
- Actual video output capacity of each port: $25\text{Frame/S} * 1280 * 11\text{Bit} = 352\text{K bps}$;
- 25Fram: To ensure smooth video animation, generally the frame rate of animation is 25 or 30 frames/second, and we control the frame rate of the system to be consistent with the video source;
- 1280: output data channel of each port of the sub controller, 1280 channels, that is, RGB pixels support a maximum of 426 lamps, and RGB W lamps support a maximum of 320 lamps;
- 11bit: the data bit width of each channel of DMX512, including 2 start bits, 8 bits gray value, and 1 bit stop bit;
- $25 * 1280 * 11 = 352\text{Kbps}$ is the bandwidth of one port of the sub controller;

Basic Parameters		https://www.exc-led.com/zlxz/list_26.html
External Size	249*305*76.7mm	
Shell Material	(High quality electro-galvanized steel sheet+power injection)	
Weight	2.64KG	
Output port	Eight	
Support light fixture	EXC all series and standard DMX512	
Storage Medium	/	
Communication port	1000Mbps Ethernet port x2	
Communication Protocol	TCP/IP protocol	
Working Condition		
Working Temperature	-30° C TO 50° C	
Storage Temperature	-40° C TO 70° C	
Protection Rating	IP54	
Electric Parameters		
Signal Connector	Dedicated EXC connector	
Working Voltage	AC 220V	
Maximum Wattage	15W	

Physical Size:



Waterproof

Available Model					
Series	Model	Main Features	Working Voltage	Max Wattage	Size
EXC2905	EXC2905-E2P007A	The Second generation、waterproof、Indoor	AC220V	15W	249*305*76.7mm
	EXC2905-E2P007B	The Second generation、waterproof、Indoor	AC220V	15W	249*305*76.7mm

System Diagram Wire:

