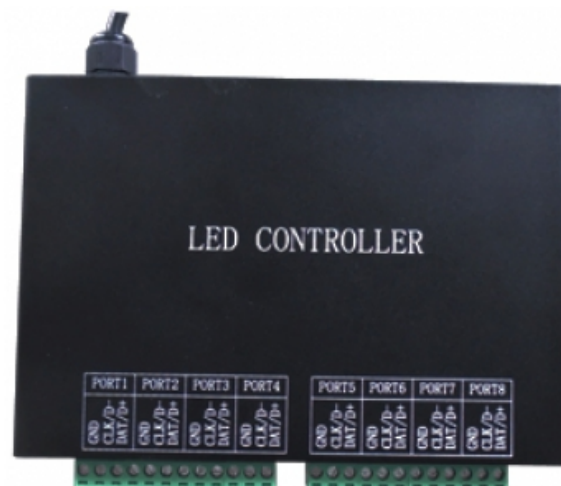


Контроллер НХ-801RC (8192 pix, 220V, TCP/IP)

- LED slave controller
- 220VAC



I. Introduction

H801RC is a two-way Ethernet transmission slave controller, data can be input from either port and output from other one. H801RC has eight output ports and drives maximum 8192 pixels, and can be connected to computer or master controller (H802TB or H80xTC).

The followings are the controllable IC: LPD6803, LPD8806, LPD6812, LPD6813, LPD1882, LPD1889, LPD1883, LPD1886, DMX512, HDMX, APA102, P9813, LD1510, LD1512, LD1530, LD1532, UCS6909, UCS6912, UCS1903, UCS1909, UCS1912, WS2801, WS2803, WS2811, DZ2809, SM16716, TLS3001, TLS3002, TM1812, TM1809, TM1804, TM1803, TM1914, TM1926, TM1829, TM1906, INK1003, BS0825, BS0815, BS0901, LY6620, DM412, DM413, DM114, DM115, DM13C, DM134, DM135, DM136, 74HC595, 6B595, MBI6023, MBI6024, MBI5001, MBI5168, MBI5016, MBI5026, MBI5027, TB62726, TB62706, ST2221A, ST2221C, XLT5026, ZQL9712, ZQL9712HV, etc.

Offline auxiliary software is "LED Build Software"; online auxiliary software is "LED Studio Software".

II. Performance

1. Two-way transmission, any of the cables is broken impacts no slave controller.
2. Eight output ports drive maximum 8192 pixels. Each port controls maximum 8192 divided by number of using ports pixels. Port number could be one, two, four, or eight.
3. Working online or offline, H801RC can be connected to computer, master controller, switch or photoelectric converter.
4. High synchronization performance, the transmission of adjacent slave controller delays within 400 ns, that is to say a cascade of 100 slave controllers delay within 40 microseconds and the image has no tearing or mosaic phenomenon.
5. Good control affect and grayscale level is under precisely control.
6. Far transmission distance. Signal transmitted based on standard Ethernet protocol and the nominal transmission distance is 100 meters. Both slave controller and network repeater can be used as repeater. And the transmission distance can reach to more than 25 kilometers by using photoelectric converter.
7. The clock scanning frequency is adjustable within 100K to 50MHz.
8. Using grayscale and inverse gamma correction technology to make actual displaying effect more consistent with human physiological sensation.

III. Ports definition

GND CLK1 DAT1	GND CLK2 DAT2	GND CLK3 DAT3	GND CLK4 DAT4	GND CLK5 DAT5	GND CLK6 DAT6	GND CLK7 DAT7	GND CLK8 DAT8
GND D-1 D+1	GND D-2 D+2	GND D-3 D+3	GND D-4 D+4	GND D-5 D+5	GND D-6 D+6	GND D-7 D+7	GND D-8 D+8
GND CLK1 DAT1 GND LAT1 OE1	GND CLK2 DAT2 GND LAT2 OE2	GND CLK3 DAT3 GND LAT3 OE3	GND CLK4 DAT4 GND LAT4 OE4				

IV. Connection diagram

