

## Full color Asynchronous controller Parameter

-----HD-C30

### 1. Led display controller functions

HD-C30 is Asynchronous led display controller, and working no need PC. Playing high definition programs .like video, image, animation, text, temperature, office file etc. The system include two parts HD-C1 controller and software called HDPlayer.

Usually one screen with 1pcs HD-C30+1PCS HUB, if the screen is bigger, for best result, user can add R500/R501 cascade connection. So HD-C30 is Full color Asynchronous cascaded controller

### 2. Device list

| types                                      | model     | Main function  |
|--|-----------|--|
| Full color asynchronous cascade controller | HD-C30    | Asynchronous core controller, with 4Gmemory function, and connected display<br><b>Itself also can be used as 1PCS receiving card</b> |
| Receiving card                             | R500/R501 | Connected screen, show the program on LED screen   |
| Controller software                        | HDPlayer  | Setting screen parameter, edit and send program  |
| Accessories                                |           | HUB board, cable , U-disk  |

### 3 Model Selection Reference

| Model  | Control range(width* height)   | sub model   |
|--------|--|---|
| HD-C30 | 640 (width) *480 (height) ;<br>1024 (width) *300 (height) ;<br>600 (width) *512 (height) ; | <b>HD-C30F</b> (WIFI)<br><b>HD-C30W</b> (3G)<br><b>HD-C30G</b> (4G) |
| R500   | Recommend :256 (width) *128 (height)   |   |
| R501   | Recommend :256 (width) *192 (height)   |   |

Notice: If Display less than 256W\*128H, Suggest 1PCS HD-C30+1PCS HUB

If Display 640W\*480H, Suggest 1PCS HD-C30 +4PCS R500 or 3PCS R501

If Display 1024W\*300H, Suggest 1PCS HD-C30 +4PCS R500 or 4PCS R501

If Display 600W\*512H, Suggest 1PCS HD-C30 +4PCS R500 or 3PCS R501

## 4 .Application place

1) Control card can connect with router, internet cascaded management as bellow:



Picture 4-1 managing several screen through Internet

2) Control card can connect with computer directly, showing as bellow:



Picture 4-2 only one screen and control by Network cable directly

**Notice: Each screen just need 1PCS C30 card, and the number of receiving card depend on screen size.**

3) Updated program can by Network cable directly, also updated via U-disk and moving hard disk drive.

## 5. Advantage than old version HD-C1/HD-C3

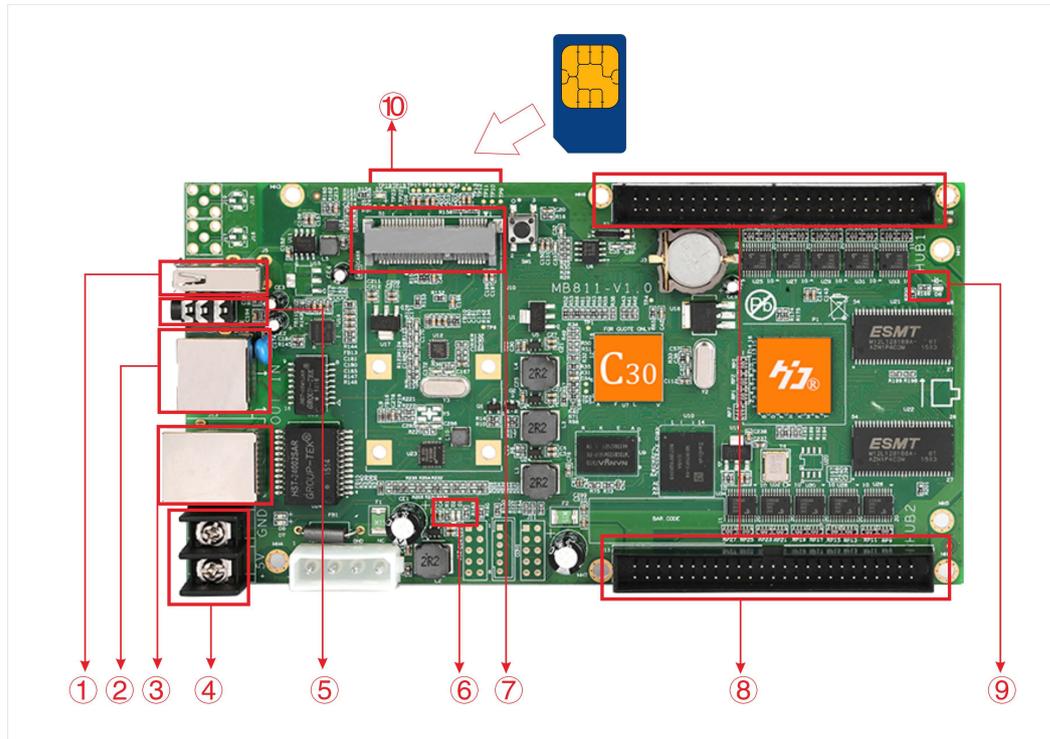
- 1) Price cheaper than C3
- 2) Showing effects better and refresh higher
- 3) Opening display time shorted to 25seconds
- 4) Also can cascaded and then good effects  
Also support 1 cabinet 1 controller
- 5) Add functions of SWF flash, neon, animation character, internet weather report
- 6) Flashed memory: Changed to 4GB
- 7) Have 3G/4G and WIFI version controller

## 6. Details Parameter

|  |   |
|--|---|
| Module types                               | Compatible indoor and outdoor, full color and single/dual color module; Support virtual module; Support PWM chips such as MBI5041/5042、MBI5050、MY9221、MY9268.           |
| Scanning mode                              | Support static scan and 1/32 scan randomly  |
| Control range                              | 640 (width) *480 (height) ;<br>1024 (width) *300 (height) ;<br>600 (width) *512 (height) ;  |
| Single receiving card pixels control range | Suggest HD- R500: 256 (width) *128 (height)<br>HD-R501: 256 (width) *192 (height)   |
| Gray level                                 | Support 0-65536 adjustable  |
| Program update                             | Updated by PC, LAN, Internet, U-disk, or mobile hard disk drive   |
| Showing functions                          | video, pictures, animated Gif, text, office document, clock, timer etc<br>Support remote control, temperature, humidity, brightness expansion function                  |
| Video function                             | Support hardware video decoder, sending directly, and without transfer code waiting.<br>Support format AVI、WMV、RMVB、MP4、3GP、ASF、MPG、FLV、F4V、MKV、MOV、DAT、VOB、TRP、TS、WEBM |
| Picture format                             | Support BMP、GIF、JPG、JPEG、PNG、PBM、PGM、PPM、XPM、XBM etc  |
| Text                                       | Support for text editing, picture insertion and support word、txt、rtf、html direct importing.   |
| Document                                   | Support Office2007 such as DOC、DOCX、XLSX、XLS、PPT、PPTX document format.  |
| Clock                                      | Support analog clock, digital clock, A variety of dial clock  |
| Audio output                               | Standard dual channel stereo output   |
| Memory capacity                            | On board Flash 4GB<br>Allows users to use U-disk memory expansion   |
| Communication type                         | 100M network Port RJ45, Internet, or LAN  |
| Operating temperature                      | -20℃-80℃  |
| Port                                       | IN: 5V power supply terminal X1, 10/100M RJ45 x1, USB 2.0 x1, The screen test button X1<br>OUT:1000M RJ45 x1, dual stereo: AUDIO x1, 2 of 50 PIN                        |
| Working voltage                            | 4.5V~5.5V   |
| Software                                   | HDPlayer  |

## 7. Port Instruction

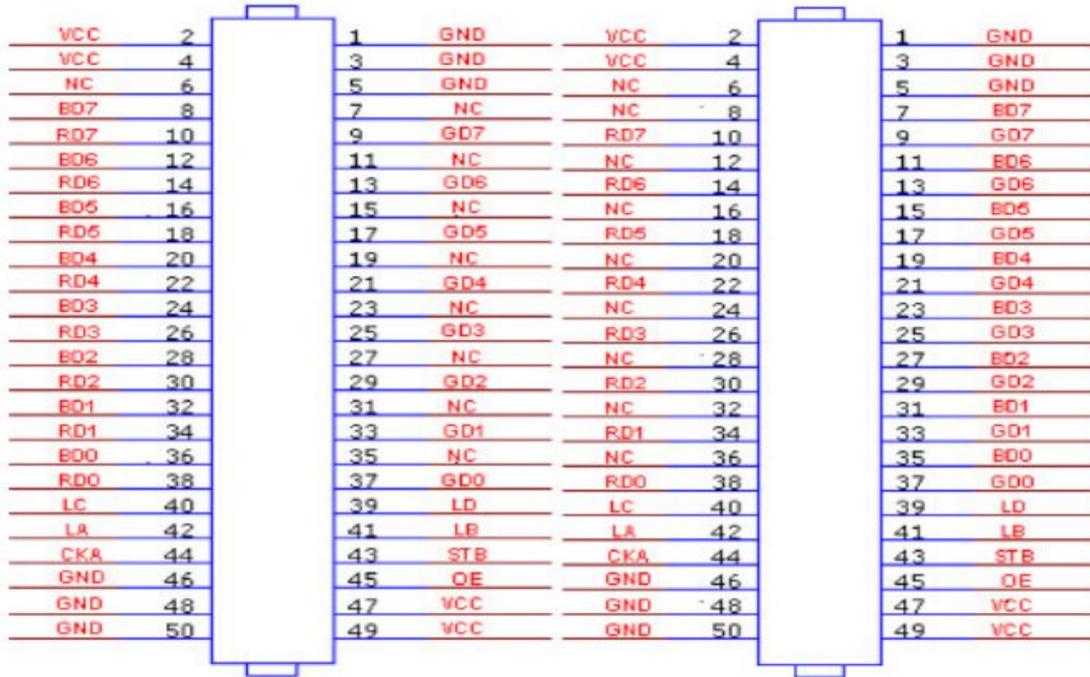
### 1) HD-C30 Port Instruction:



- ① USB port, connect USB device, such as: U-disk and mobile hard disk drive
- ② Input network port, 100M network port, Normal working: orange lamp always on, green lamp flicker.
- ③ Output network port, 1000M network port, Normal working: D7 green lamp always on, D8 green lamp flicker.
- ④ Power interface, 2 pin power terminal connect with 5V power
- ⑤ Audio output interface, standard dual channel stereo output
- ⑥ Power led-D2 green lamp normal working is always on, running lights-D1 green lamp normal working is flicker.
- ⑦ MINIPCIE connect 3G model or WIFI model (select-able)
- ⑧ 1 of 50 pin, connect HUB board, connecting with all kind of cabinet interface through HUB
- ⑨ Display lamp-D7 green lamp normal working is flicker
- ⑩ The back SIM card slot, inserted with 3G/4G card for 3G/4G internet solutions

2) 50 pin definition

Support 16 “RGBR” Parallel Data, definition as below:

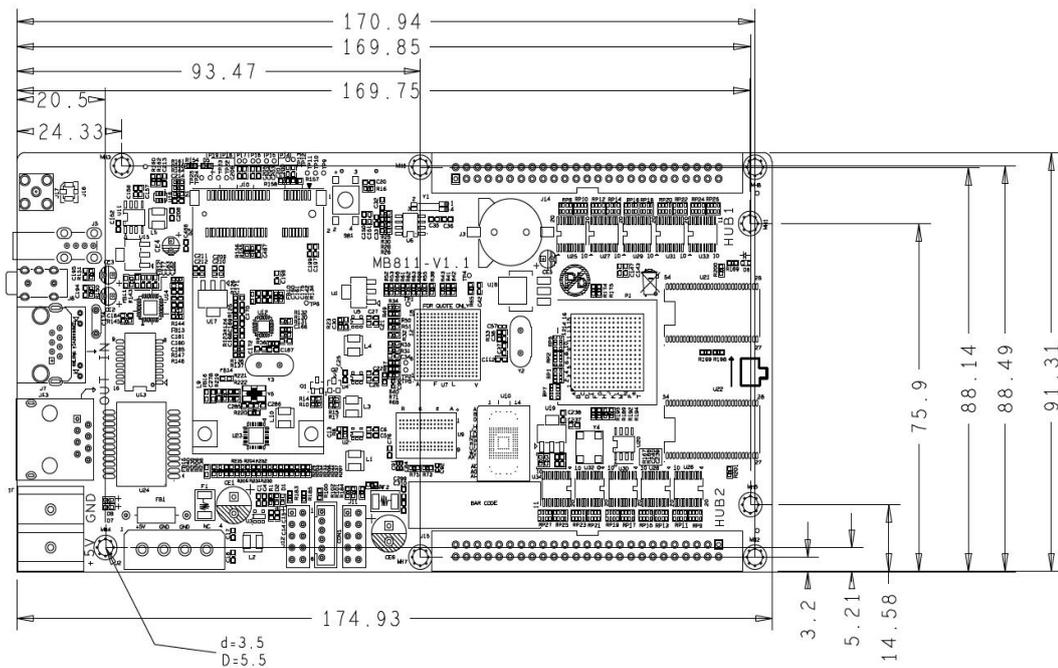


General Full Color Port 1

General Full Color Port 2

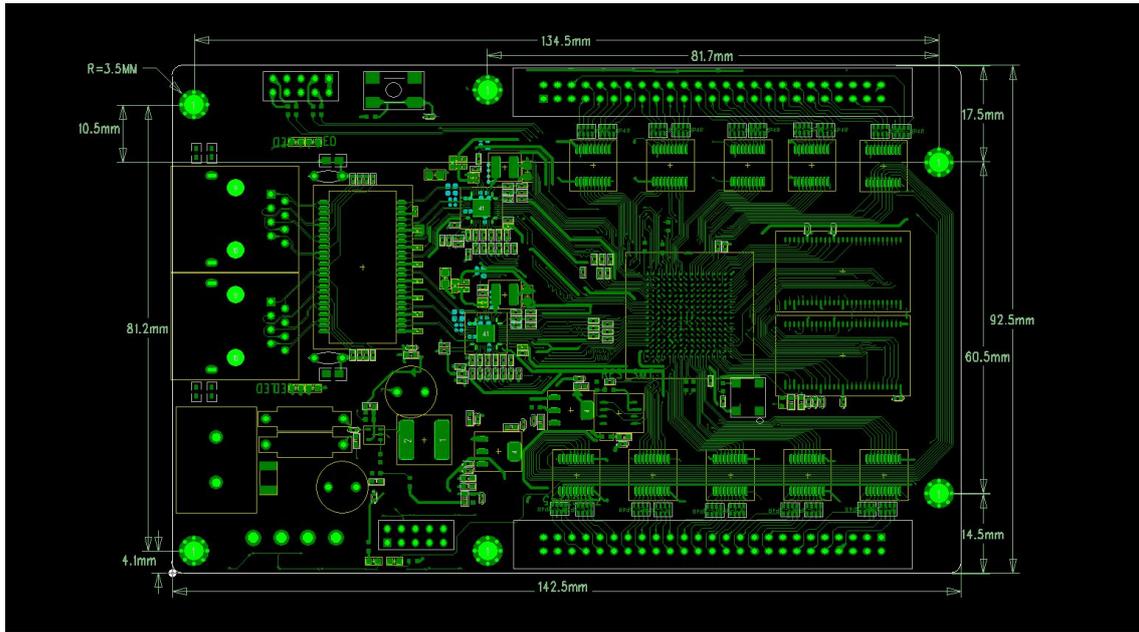
8, Dimension Chart

1) HD-C30 dimension chart as bellow:

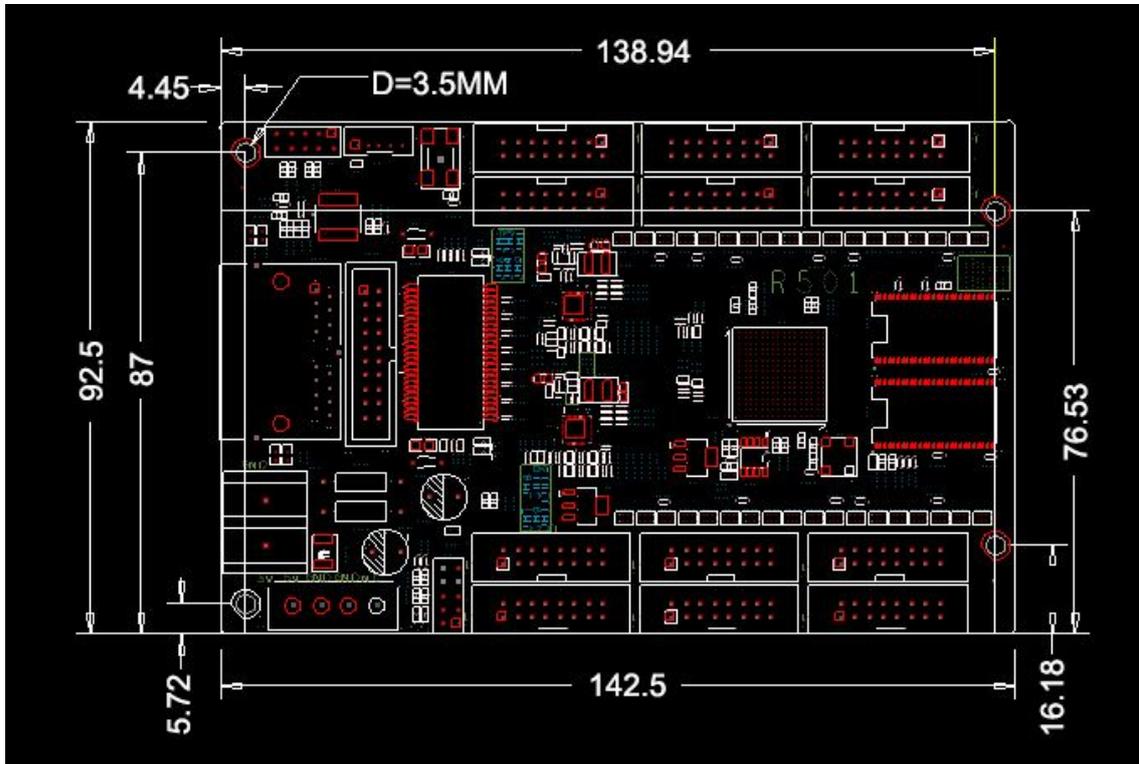


Picture 8-1 HD-C30 dimension chart

2) Receiving card dimension chart as below



Picture 8-2 dimension chart R500



Picture 8-3 Dimension Chart R501