Product Specifications

Full Color Asynchronous Control Card

HD-C35

V1.0 20190508

System Overview

HD-C35 Full Color Asynchronous Controller System is a LED control system that supports mobile APP control, Web remote control and offline play HD Video.

Support computer control software *HDPlayer*, mobile phone control software *LedArt* and HD *Cloud Platform*.

HD-C35 integrated sending card and receiving card function, can single cassette with small screen, can also add HD-R50X receiving card control bigger screen.

Controlling System Configuration

Product	Type	Functions
Async controller Card	HD-C35	Asynchronous core control panel, with storage capabilities, can be connected to the screen body.
Receiving Card	R50X Series	Connected with screen, Showing program in Screen.
Control Software	HDPlayer	Screen parameters setting, edit & send program etc.

Control mode

1. Internet unified management: The play box can be connected to the Internet through 3G/4G (optional), network cable connection, or Wi-Fi Bridge.
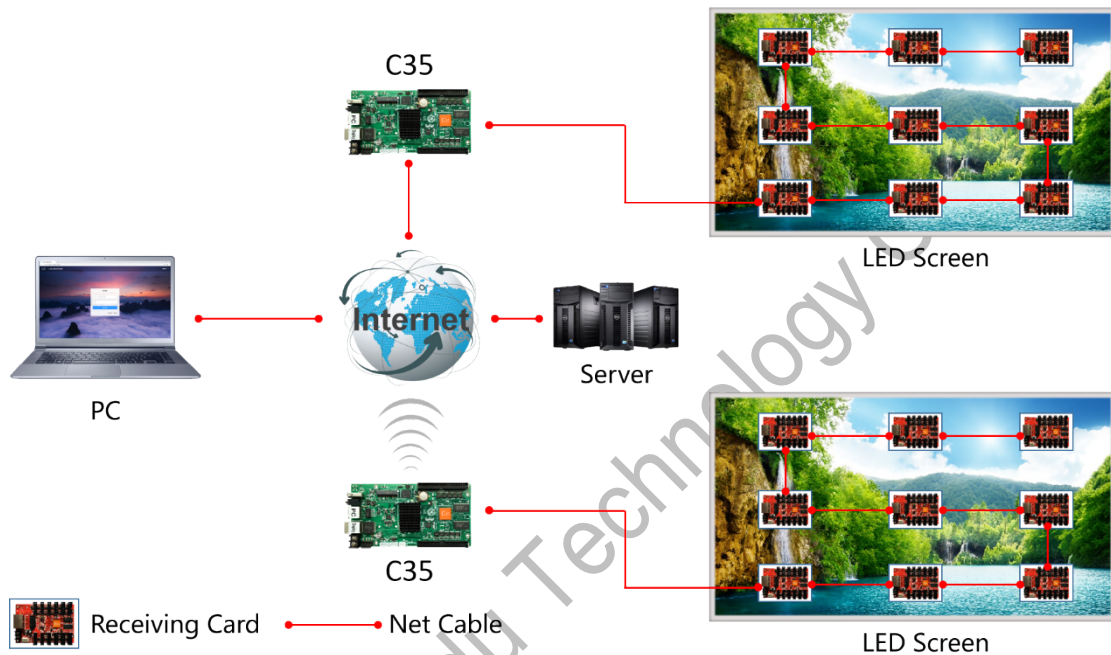
2. Asynchronous one-to-one control: Update programs by network cable connections, Wi-Fi connections or USB flash drives. LAN (cluster) control can access the LAN network through by network cable connection or Wi-Fi Bridge.
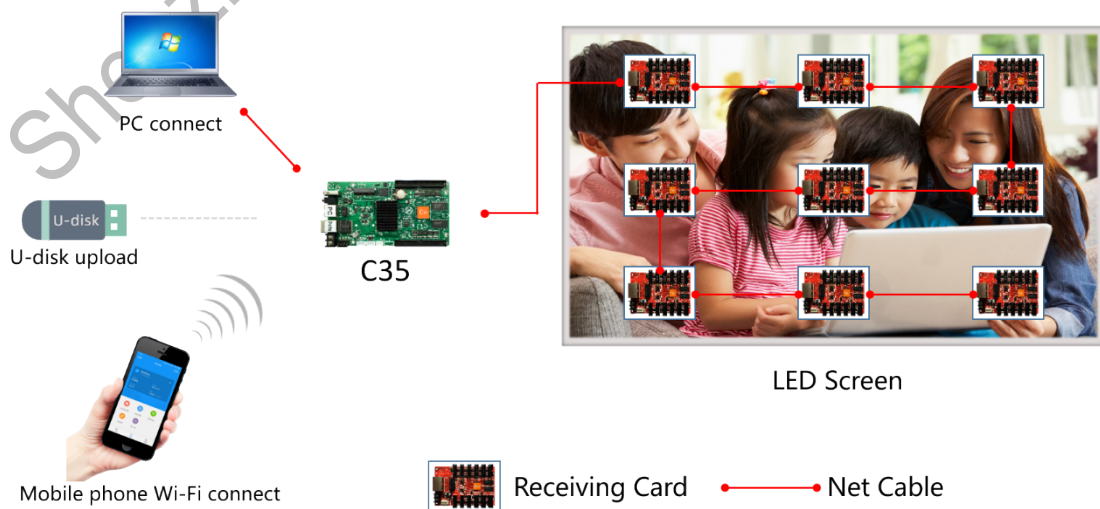
Product features

- Control Range: 1024*512.

- 4GB memory, support expending memory by U-disk.

- Support HD video hardware decoding, 60Hz frame rate output.

- Support widest 1024 pixel, Highest 1024.

- No need set IP address, it could be identified by controller ID automatically.

- Unified management of more LED display through Internet or LAN.

- Support Wi-Fi connection, Mobile APP management.

- Equipped 3.5mm standard audio interface output.

- Support 3G/4G connect to Internet (Optional).

System function list

Module type	Compatible with indoor and outdoor full color and single color module Support conventional chip and mainstream PWM chip
Scan Mode	Static to 1/64 scan mode
Control Range	1024(W)*512(H),　widest 1024, highest 1024
Gray Scale	256-65536
Basic functions	Video, Pictures, Gif, Text, office, Clocks, Timing etc. Remote, Temperature, Humidity, Brightness etc.
Video format	Support 1080P HD video hardware decoding, direct transmission, without transcoding waiting. 60Hz frame frequency output； AVI, WMV, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc.
Image Format	Support BMP,GIF,JPG,PNG,PBM,PGM,PPM,XPM,XBM etc.
Text	Text editing, Image, Word, Txt, Rtf, Html etc.
Document	DOC, DOCX, XLSX, XLS, PPT, PPTX etc.Office2007Document format.
Time	Classic Analog clock, digital clock and various of clock with image background.
Audio output	Double track stereo audio output.
Memory	4GB Flash memory; Indefinite expanding of U-disk memory.
Communication	100M RJ45 Ethernet, 3G/4G (Internet), Wi-Fi, USB, LAN.
Working Temperature	-20℃-80℃
Port	IN:5V DC*1, 100 Mbps RJ45*1, USB 2.0*1, test button*1 OUT: 1Gbps RJ45*1, AUDIO*1

Dimension Chart

HD- C35 dimension chart follow：
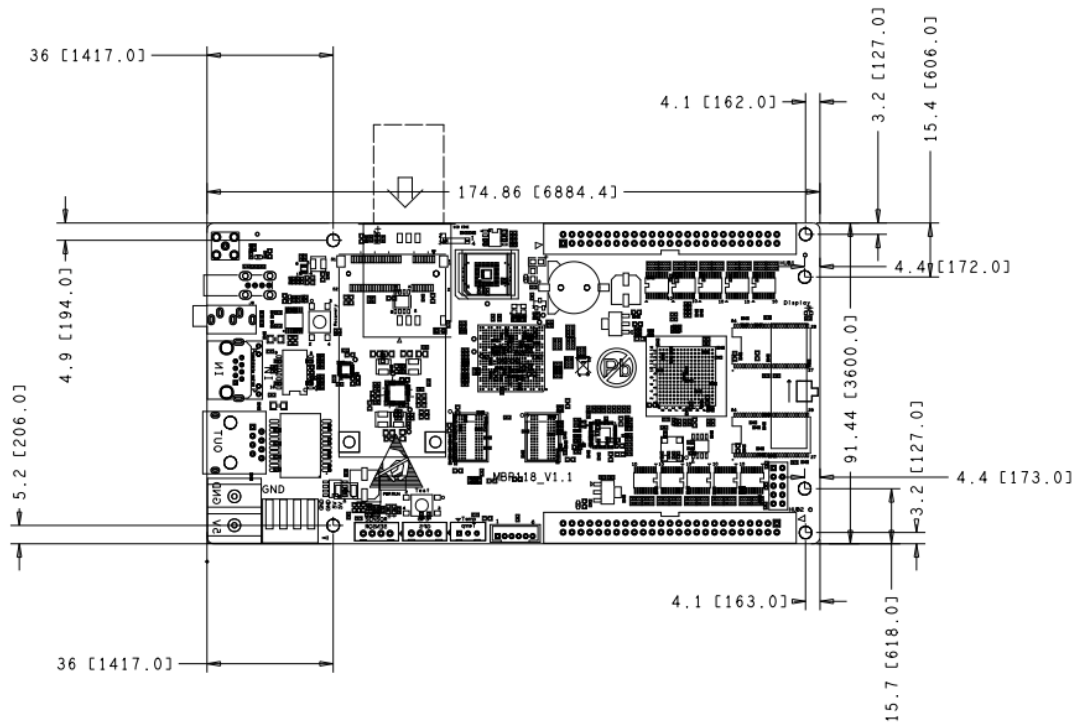
Appearance Description
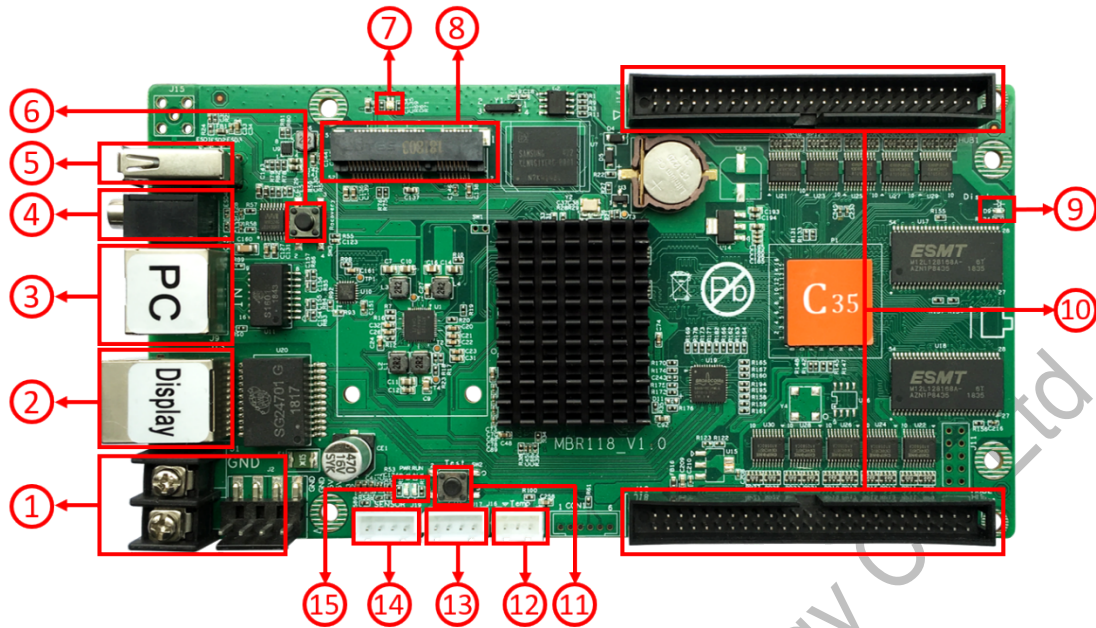
1) Power Supply port: connected 5V DC power supply.

2) Output network port: 1000Mbps network port, connect to receiving card.

3) Input Network port: Connect to PC or router.

4) Audio output port: support standard two-track stereo output.

5) USB port: connected to USB device, e.g. U-disk, Mobile hard disk etc.

6) Recovery button: Reply to default parameters.

7) Wi-Fi and 3G/4G module indicator light: Wi-Fi and 3G/4G module work state.

8) Mini PCIE port: connected Wi-Fi or 3G/4G module.

9) Display indicator light: working status is Flicking.

10) HUB75E port: connected to LED modules.

11) Temp port: connected temp sensor.

12) Test button: LED screen burn-in test.

13) GPS port: connected GPS module.

14) Sensor port: connected S108 and S208 sensor.

15) Controller work state indicator light: D1 is Power lamp, D2 is RUN lamp.

Interface definition

Onboard 2 50PIN HUB port

VCC	2		1	GND		VCC	2		1	GND
VCC	4		3	GND		VCC	4		3	GND
NC	6		5	GND		NC	6		5	GND
BD7	8		7	NC		NC	8		7	BD7
RD7	10		9	GD7		RD7	10		9	GD7
BD6	12		11	NC		NC	12		11	BD6
RD6	14		13	GD6		RD6	14		13	GD6
BD5	16		15	NC		NC	16		15	BD5
RD5	18		17	GD5		RD5	18		17	GD5
BD4	20		19	NC		NC	20		19	BD4
RD4	22		21	GD4		RD4	22		21	GD4
BD3	24		23	NC		NC	24		23	BD3
RD3	26		25	GD3		RD3	26		25	GD3
BD2	28		27	NC		NC	28		27	BD2
RD2	30		29	GD2		RD2	30		29	GD2
BD1	32		31	NC		NC	32		31	BD1
RD1	34		33	GD1		RD1	34		33	GD1
BD0	36		35	NC		NC	36		35	BD0
RD0	38		37	GD0		RD0	38		37	GD0
LC	40		39	LD		LC	40		39	LD
LA	42		41	LB		LA	42		41	LB
CKA	44		43	STB		CKA	44		43	STB
GND	46		45	OE		GND	46		45	OE
GND	48		47	VCC		GND	48		47	VCC
GND	50		49	VCC		GND	50		49	VCC

General Full Color Port1   General Full Color Port 2

Technical Parameters

	Minimum	Typical value	Maximum
Rated voltage(V)	4.2	5.0	5.5
Storage temperature(℃)	-40	25	105
Work environment humidity (℃)	-40	25	80
Work environment humidity (%)	0.0	30	95

Precaution

1) To ensure that the control card is stored during normal operation, make sure the battery on the control card is not loose,
2) In order to ensure the long-term stable operation of the system; please try to use the standard 5V power supply voltage.