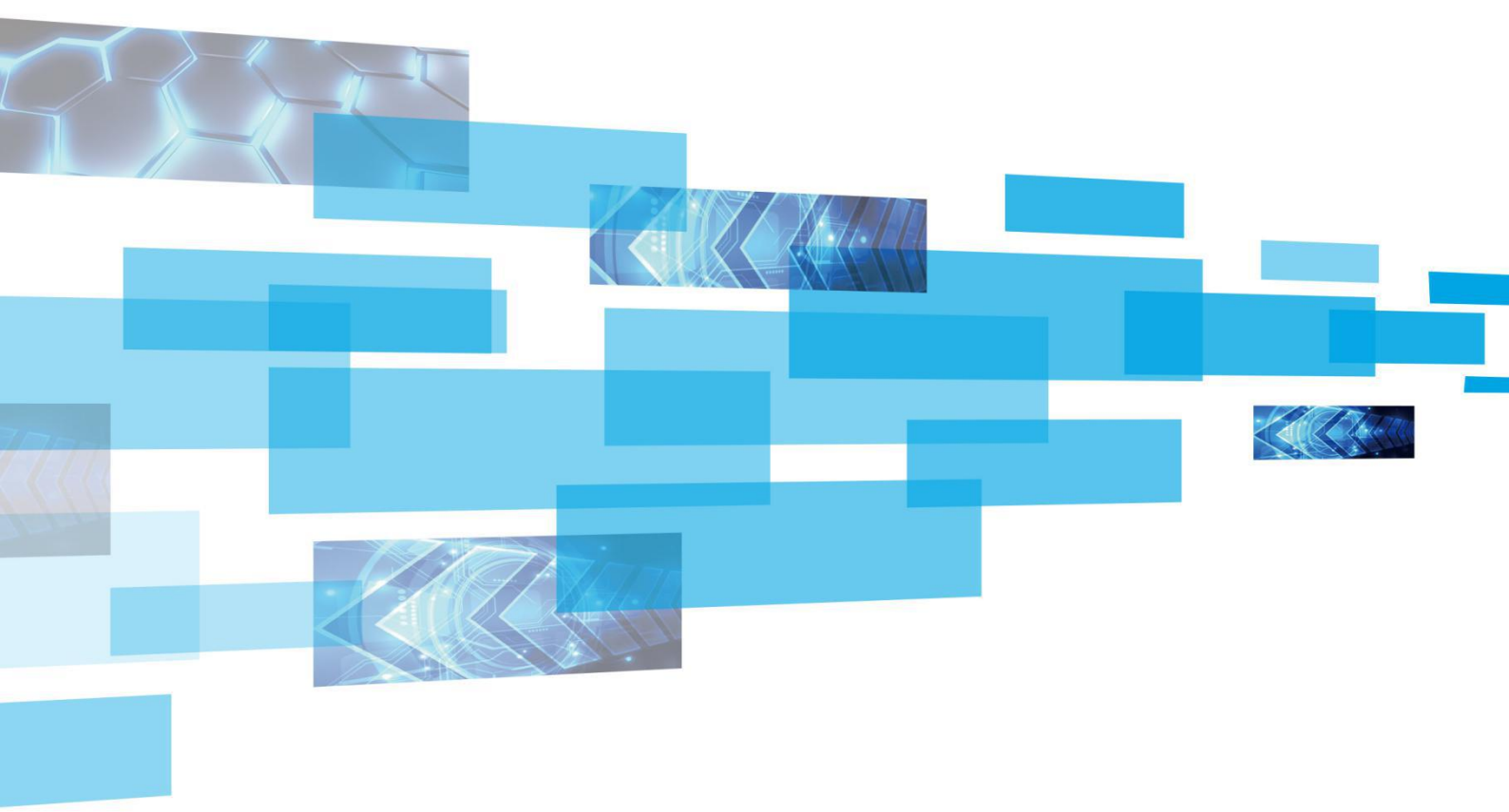


Univisal Receiver

D90-270



Product Specification

Version No.:Ver.1.0

Doc No.: SYS/C3-010300809

Clarification

Dear customers, thanks for choosing Shanghai Xixun Electronic Limited (Sysolution for short)' s LED control system. This document will fast introduce this new product and help you how to use it. We will not notice you when updating this document. When meeting any problems or have any advice during usage of our LED control system, please contact us directly, we will be very happy to help you and appreciate your advice.

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Brand



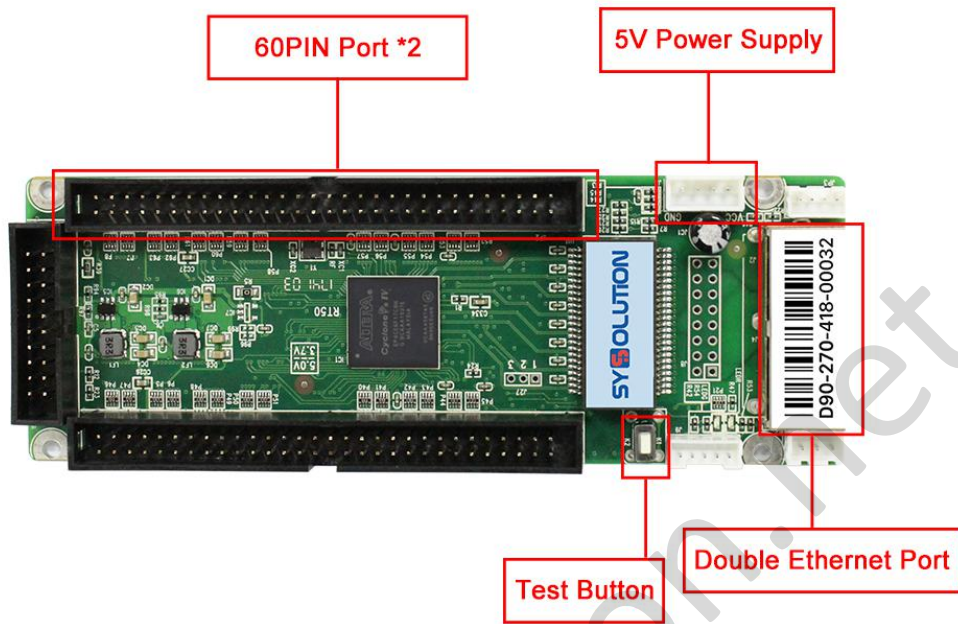
has been registered by Sysolution company.

Update Record

No.	Version No.	Updates	Revision Date
1	Ver.1.0	Initial issue	2018.04.15

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Appearance

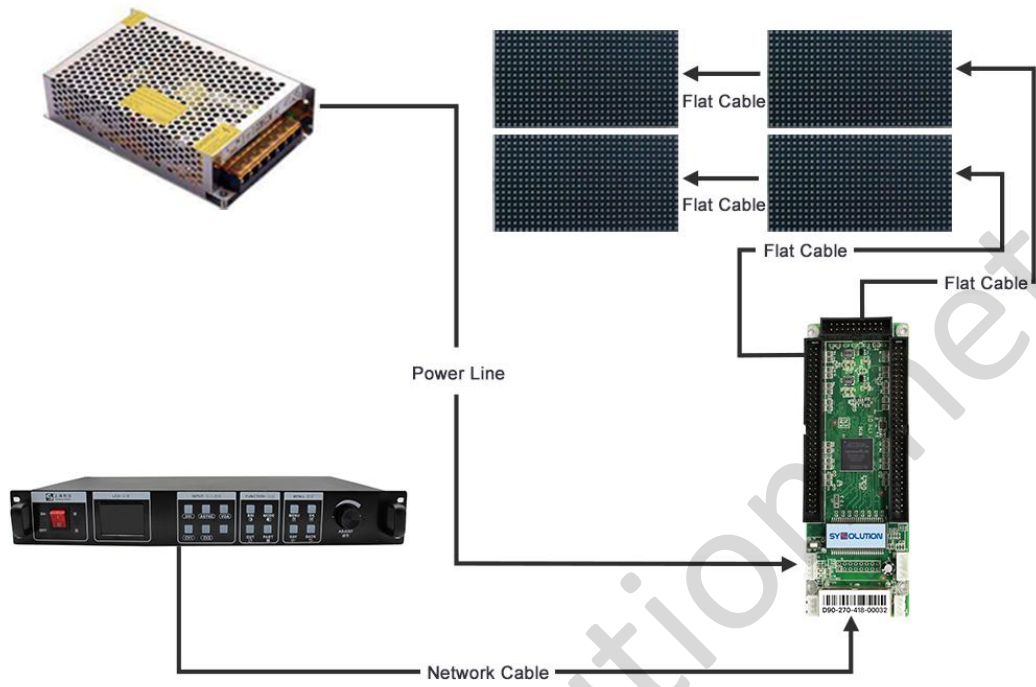


Univalis Receiver D90-270

Technical Parameters

Features options	Typical value	Maximum value
Supported screen type	Single/dual/full color screens real/virtual pixel	
Supported receiving card quantity, cascading by single network cable	<1000	1000
Supported resolution by one receiving card	128*128	96K pixels
RGB output group of one receiving card	24	24
Lines of one set of RGB driver	1/2/4/8/16/32	1~32
Optical fiber transmit distance	Multi-mode optical fiber: 500Meters; single module optical fiber: 10KM	
Other features	10b video source, LED display self-detecting, OE protection	
Working current	0.6A	1.0A
Working temperature	-10°C - 65°C	
Extreme working temperature	-20°C - 75°C	
Working humidity (%)	0%-95%	

Connection

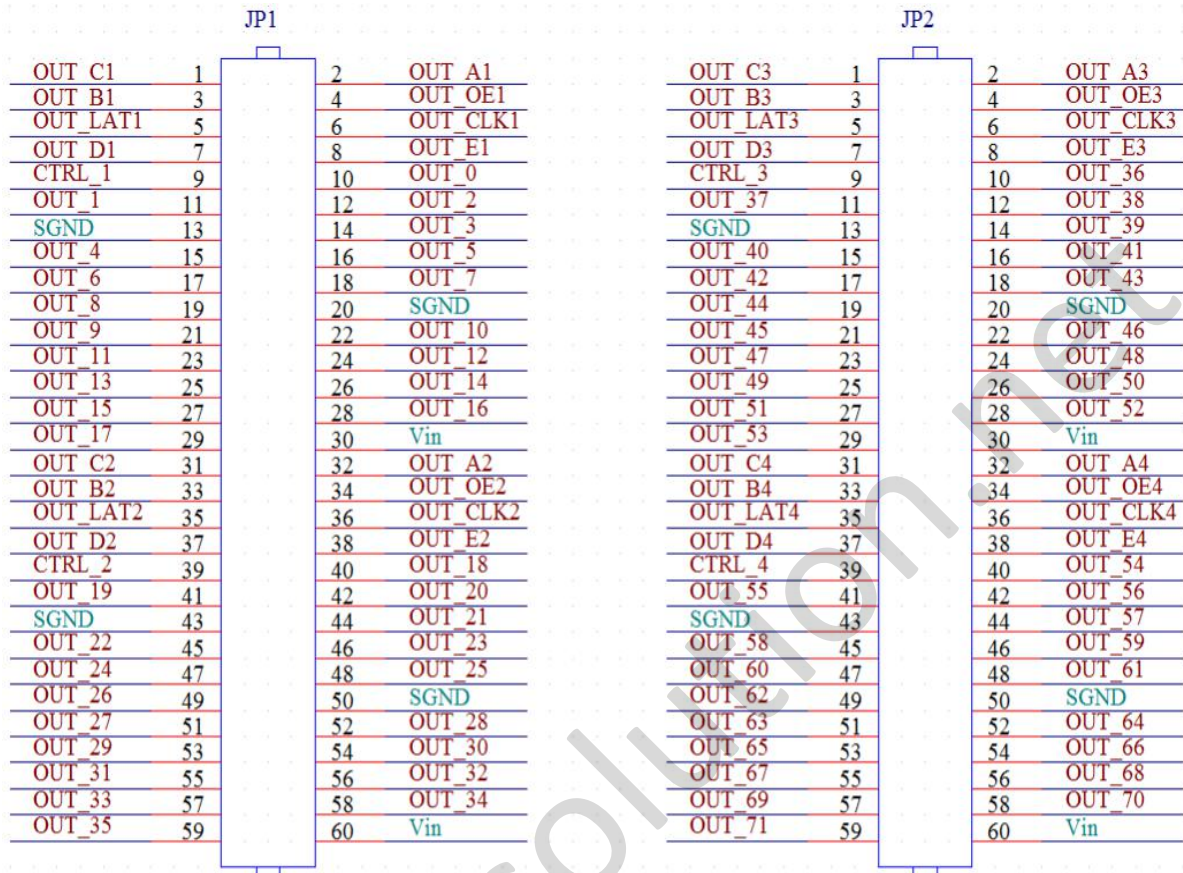


Performances

D90-270 is new product promoted by XIXUN company, with tiny size but high standard universal receiving card, it has following features:

1. 26 sets of RGB output;
2. Support 8/10BIT modes of input image gray level;
3. Output Maximum 20BIT gray level;
4. Support 96K pixels of single receiving card;
5. Wide voltage input range, input voltage range: +3.5V---+5.5V;
6. High refresh rate, high brightness and high gray level for general driver ICs;
7. Support read-back parameters from receiving card;
8. Dual backup for the network cable and support data detecting of ribbon cables;
9. Support cabinet temperature and humidity detection, power supply voltage detection, and fan for cabinet;
10. Support to debug point by point for the brightness and chroma;
11. Support variety of driver ICs including PWM IC, point by point detecting IC and general IC;
12. Support receiving card pre-store picture settings;
13. Support external environment detection;
14. Support charge power from LED module;
15. RoHs and CE-EMC compliant.

Definition of Output Port



JH1 Definition :

Definition	Pin	Pin	Definition
OUT_C1	1	2	OUT_A1
OUT_B1	3	4	OUT_OE1
OUT_LAT1	5	6	OUT_CLK1
OUT_D1	7	8	OUT_E1
CTRL_1	9	10	OUT_0
OUT_1	11	12	OUT_2
SGND	13	14	OUT_3

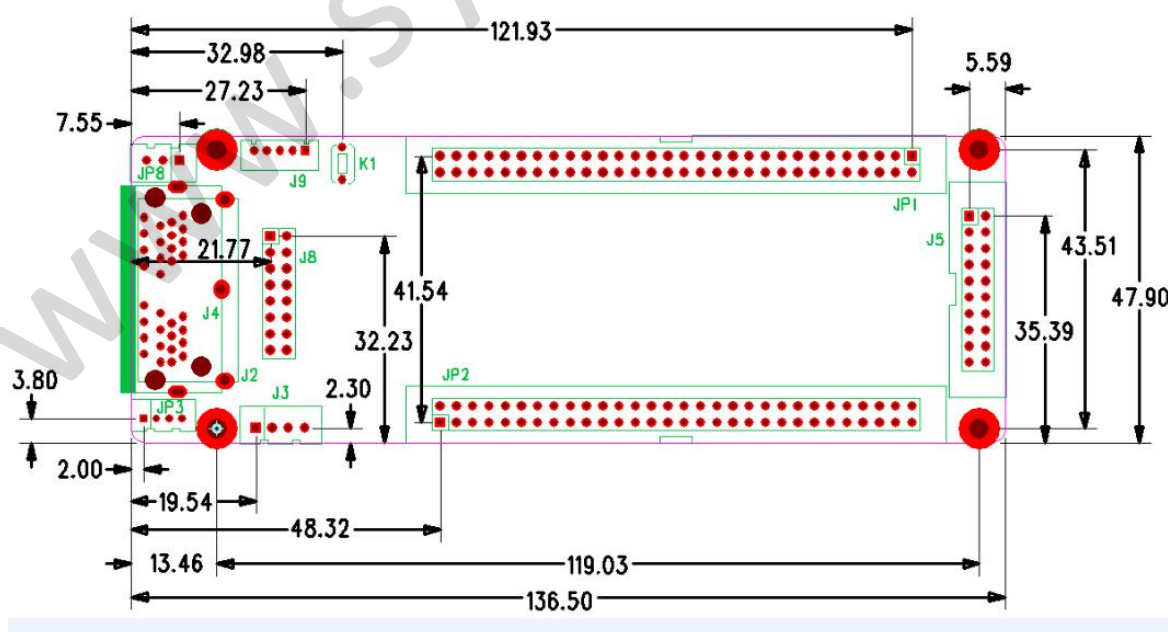
OUT_4	15	16	OUT_5
OUT_6	17	18	OUT_7
OUT_8	19	20	SGND
OUT_9	21	22	OUT_10
OUT_11	23	24	OUT_12
OUT_13	25	26	OUT_14
OUT_15	27	28	OUT_16
OUT_17	29	30	Vin
OUT_C2	31	32	OUT_A2
OUT_B2	33	34	OUT_OE2
OUT_LAT2	35	36	OUT_CLK2
OUT_D2	37	38	OUT_E2
CTRL_2	39	40	OUT_18
OUT_19	41	42	OUT_20
SGND	43	44	OUT_21
OUT_22	45	46	OUT_23
OUT_24	47	48	OUT_25
OUT_26	49	50	SGND
OUT_27	51	52	OUT_28
OUT_29	53	54	OUT_30
OUT_31	55	56	OUT_32
OUT_33	57	58	OUT_34
OUT_35	59	60	Vin

JH2 Definition :

Definition	Pin	Pin	Definition
OUT_C3	1	2	OUT_A3
OUT_B3	3	4	OUT_OE3
OUT_LAT3	5	6	OUT_CLK3
OUT_D3	7	8	OUT_E3
CTRL_3	9	10	OUT_36
OUT_37	11	12	OUT_38
SGND	13	14	OUT_39
OUT_40	15	16	OUT_41
OUT_42	17	18	OUT_43
OUT_44	19	20	SGND
OUT_45	21	22	OUT_46
OUT_47	23	24	OUT_48
OUT_49	25	26	OUT_50
OUT_51	27	28	OUT_52
OUT_53	29	30	Vin
OUT_C4	31	32	OUT_A4
OUT_B4	33	34	OUT_OE4
OUT_LAT4	35	36	OUT_CLK4
OUT_D4	37	38	OUT_E4
CTRL_4	39	40	OUT_54
OUT_55	41	42	OUT_56

SGND	43	44	OUT_57
OUT_58	45	46	OUT_59
OUT_60	47	48	OUT_61
OUT_62	49	50	SGND
OUT_63	51	52	OUT_64
OUT_65	53	54	OUT_66
OUT_67	55	56	OUT_68
OUT_69	57	58	OUT_70
OUT_71	59	60	Vin

Dimension and Connector Definition



Other plug definitions:

1 . J9 Definition

Pin	1	2	3	4	5
Definition	LEDG	3.3V	LEDR	KEYH	GND/KEY-

2 . J8 Definition

Pin	2	4	6	8	10	12	14	16
Definition	A0-	B0-	C0-	D0-	A0-	B0-	C0-	D0-
Pin	1	3	5	7	9	11	13	15
Definition	A0+	B0+	C0+	D0+	A0+	B0+	C0+	D0+

3 . J3 Definition

Pin	1	2	3	4
Definition	+5V	+5V	GND	GND

Notes



1. Please follow this instruction exactly.
2. Professionals are needed to install and test the product and has to be anti-static.
3. Keep away from water.

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