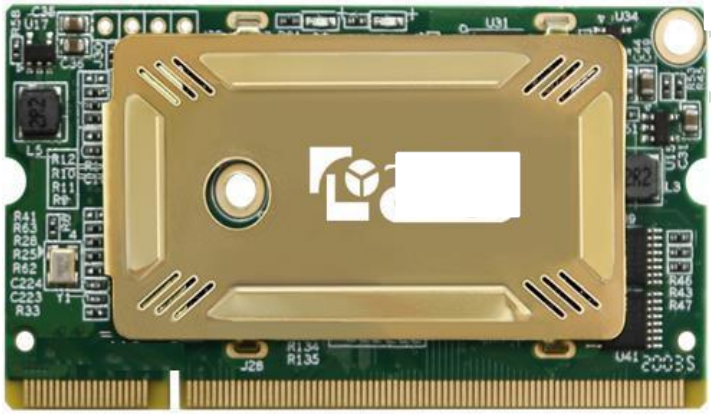


Receiving Card

Specification V2.1

i5 Receiving Card

Features

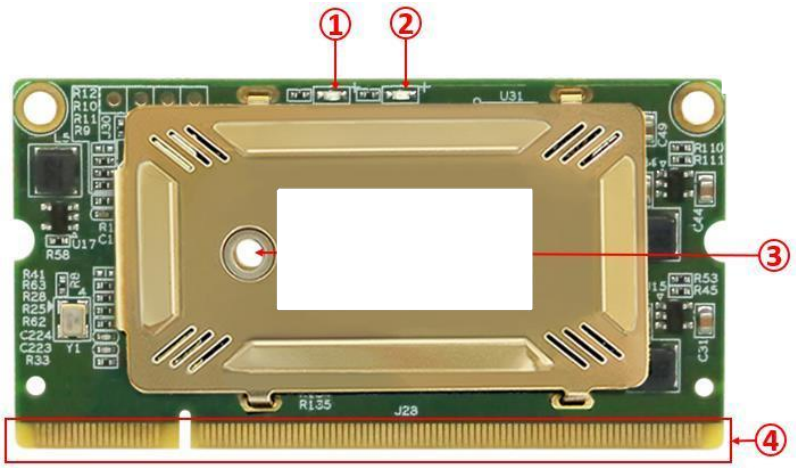
- Supports 32 groups of RGB signal parallel output
- Tiny size: 67.6×35.5mm
- DDR2 SODIMM interface, easy for maintenance
- Loading capacity: 384×512 pixels
- High-precision pixel level calibration in the brightness and the chromaticity
- Supports better gray at low brightness
- Supports up to 1/64 scan
- Supports any pumping point and any pumping row and pumping column.
- Supports wide working voltage of DC 3.8V~5.5V

Specifications

Control system parameters	
Control Area	Conventional: 256×512 pixels, PWM:384×512 pixels
Network Port Exchange	Supported, arbitrary use
Gray Level	Maximum 65536 levels
Display module compatibility	
Chip Supports	Supports conventional chips, PWM chips, Silan chips and other mainstream chips
Scan Mode	Two scanning methods to support refresh rate to multiply
Scan Type	Supports up to 1/64 scan
Module Specifications Support	Supports 8192 pixels within any row, any column
Cable Direction	Supports route from left to right, from right to left, from top to bottom, from bottom to top
Data Group	32 groups of RGB parallel data
Data Folded	Supports 1~8 any discount
Data Exchange	32 groups of data for any exchange
Module Pumping Point	Supports any pumping point
Module Pumping Row, Pumping Column	Supports any pumping row and pumping column
Physical Parameters	
Communication Distance	Suggest CAT5e cable≤100m
Compatible Transmission Equipment	Gigabit switch, fiber transceiver, optical switches
Size	67.6×35.5mm
Input Voltage	DC 3.8V~5.5V
Rated Current	0.5A
Rated Power Consumption	2.5W
Storage and Transport	-40℃~125℃

Temperature	
Operating Temperature	-25℃~75℃
Weight	10g
Pixel level calibration	
Brightness Calibration	Supported
Chromaticity Calibration	Supported

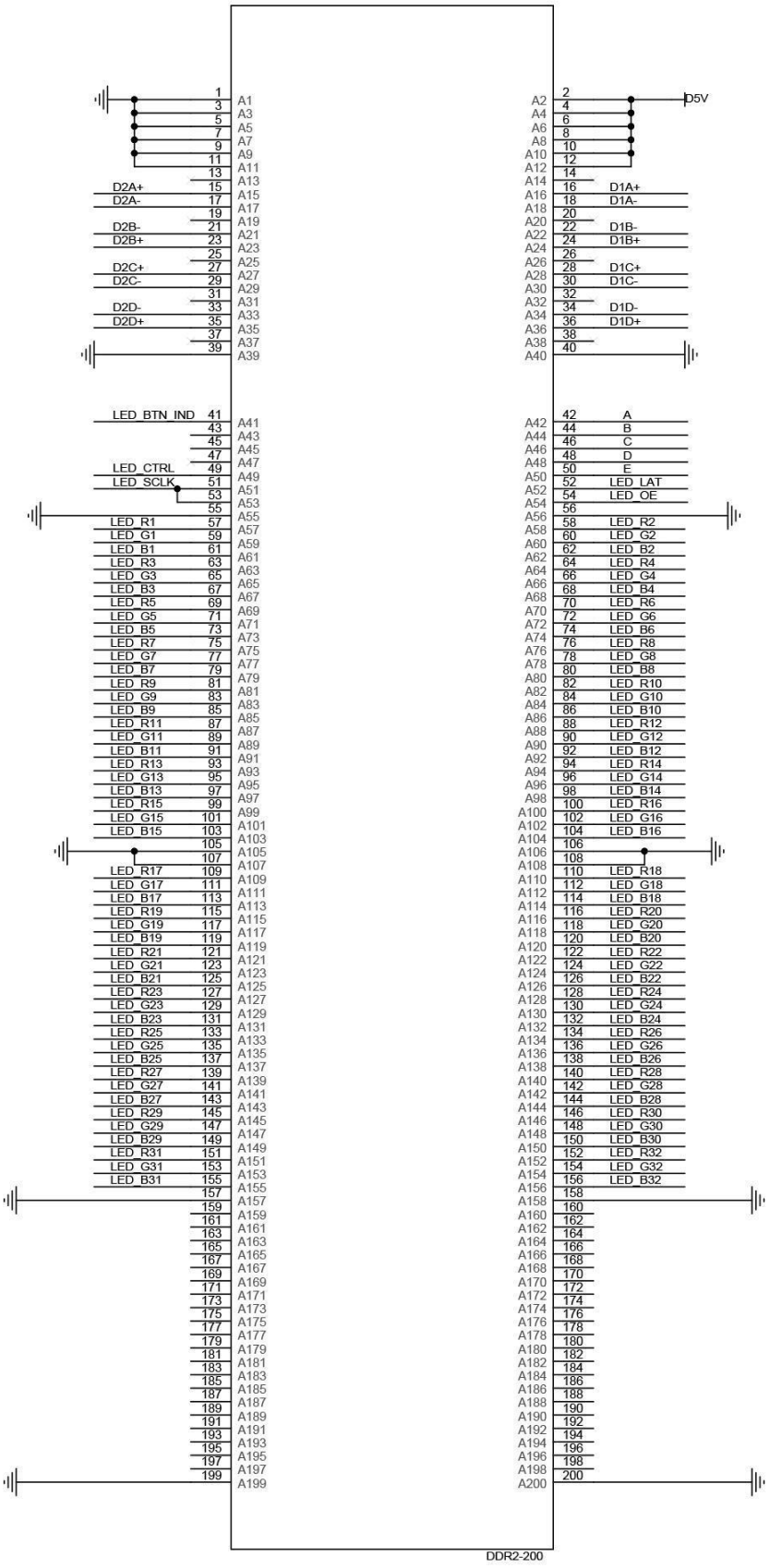
Hardware



Interface

S/N	Name	Function		Remarks
1	Signal indicator light	Flashes once per second	Receiving card: normal working, Network cable connection: normal	
		Flashes 10 times per second	Receiving card: normal working, Cabinet: Sorting & Highlight	
		Flashes 4 times per second	Receiving card: backing up senders (loop backup status)	
2	Power indicator light	Red indicator light shows that the power supply is normal		
3	Fixed hole	Used to reinforce the receiving card to improve vibration resistance		
4	DDR interface	Connect to display' s HUB or module		From the diagram above, the left side of the guide plate is first pin (Viewing from the front of card)

Definition of Pins



Definition of pins

Instruction	Definition	Pin No.		Definition	Instruction
Grounding	GND	1	2	D5V	Power supply
	GND	3	4	D5V	
	GND	5	6	D5V	
	GND	7	8	D5V	
	GND	9	10	D5V	
	GND	11	12	D5V	
Empty	NC	13	14	NC	Empty
Network port 1 signal pin Recommended use isolation transformer	D2A+	15	16	D1A+	Network port 2 signal pin Recommended use isolation transformer
	D2A-	17	18	D1A-	
	NC	19	20	NC	
	D2B-	21	22	D1B-	
	D2B+	23	24	D1B+	
	NC	25	26	NC	
	D2C+	27	28	D1C+	
	D2C-	29	30	D1C-	
	NC	31	32	NC	
	D2D-	33	34	D1D-	
	D2D+	35	36	D1D+	
Empty	NC	37	38	NC	Empty
Grounding	GND	39	40	GND	Grounding
Indicator light	LED_BTN_LED	41	42	A	Display control: 1. ABCDE for row decoding signal; 2. LED_LAT for latch; 3. LED_OE control LED display enable, like a switch, it is GCLK when the led display use PWM chip.
Empty	NC	43	44	B	
	NC	45	46	C	
	NC	47	48	D	
Blanking	LED_CTRL	49	50	E	
Serial clock	LED_SCLK	51	52	LED_LAT	
	LED_SCLK	53	54	LED_OE	
Grounding	GND	55	56	GND	Grounding
RGB output	LED_R1	57	58	LED_R2	RGB output
	LED_G1	59	60	LED_G2	
	LED_B1	61	62	LED_B2	
	LED_R3	63	64	LED_R4	
	LED_G3	65	66	LED_G4	

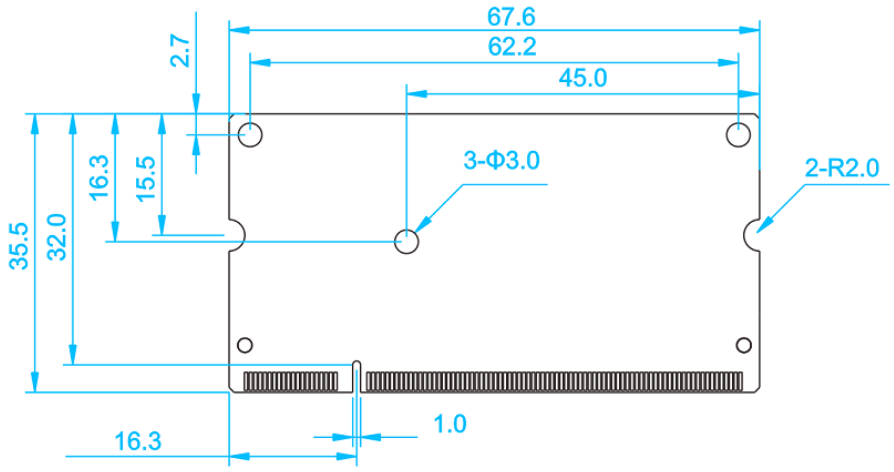
	LED_B3	67	68	LED_B4	
	LED_R5	69	70	LED_R6	
	LED_G5	71	72	LED_G6	
	LED_B5	73	74	LED_B6	
	LED_R7	75	76	LED_R8	
	LED_G7	77	78	LED_G8	
	LED_B7	79	80	LED_B8	
	LED_R9	81	82	LED_R10	
	LED_G9	83	84	LED_G10	
	LED_B9	85	86	LED_B10	
	LED_R11	87	88	LED_R12	
	LED_G11	89	90	LED_G12	
	LED_B11	91	92	LED_B12	
	LED_R13	93	94	LED_R14	
	LED_G13	95	96	LED_G14	
	LED_B13	97	98	LED_B14	
	LED_R15	99	100	LED_R16	
	LED_G15	101	102	LED_G16	
	LED_B15	103	104	LED_B16	
Grounding	GND	105	106	GND	Grounding
	GND	107	108	GND	
RGB output	LED_R17	109	110	LED_R18	RGB output
	LED_G17	111	112	LED_G18	
	LED_B17	113	114	LED_B18	
	LED_R19	115	116	LED_R20	
	LED_G19	117	118	LED_G20	
	LED_B19	119	120	LED_B20	
	LED_R21	121	122	LED_R22	
	LED_G21	123	124	LED_G22	
	LED_B21	125	126	LED_B22	
	LED_R23	127	128	LED_R24	
	LED_G23	129	130	LED_G24	
	LED_B23	131	132	LED_B24	
	LED_R25	133	134	LED_R26	
	LED_G25	135	136	LED_G26	
	LED_B25	137	138	LED_B26	
	LED_R27	139	140	LED_R28	
	LED_G27	141	142	LED_G28	
	LED_B27	143	144	LED_B28	

	LED_R29	145	146	LED_R30	
	LED_G29	147	148	LED_G30	
	LED_B29	149	150	LED_B30	
	LED_R31	151	152	LED_R32	
	LED_G31	153	154	LED_G32	
	LED_B31	155	156	LED_B32	
Grounding	GND	157	158	GND	Grounding
Empty	NC	159	160	NC	Empty
	NC	161	162	NC	
	NC	163	164	NC	
	NC	165	166	NC	
	NC	167	168	NC	
	NC	169	170	NC	
	NC	171	172	NC	
	NC	173	174	NC	
	NC	175	176	NC	
	NC	177	178	NC	
	NC	179	180	NC	
	NC	181	182	NC	
	NC	183	184	NC	
	NC	185	186	NC	
	NC	187	188	NC	
	NC	189	190	NC	
	NC	191	192	NC	
	NC	193	194	NC	
	NC	195	196	NC	
	NC	197	198	NC	
Grounding	GND	199	200	GND	Grounding

Dimensions

Unit：mm

Tolerance：±0.1mm



Statement

Thank you for purchasing the product of Colorlight Cloud Tech Ltd. If you encounter any problems during use or have any suggestions, please contact us through official channels. We will do our best to provide support and listen to your valuable suggestions. We will constantly make improvements on technica[redacted] updated information.