



RNDLED1.5

Indoor LED Screen Module Parameter

Specifications:	Item	Parameter
Module & Cabinet	Model:	CN.RAND1.5.COB
	Pixel Pitch:	1.56 mm
	Pixel Configuration:	COB
	Cabinet Size:	600 * 337.5 * 27 mm
	Cabinet Resolution(W×H)	385 dots(W) * 216 dots(H)
	Module Thickness:	10 mm
	Module Material:	Die Cast Aluminium-Flexible
	Dot Calibration	3% range / color
	Avg Power / Cabinet	150 W
	Screen Body Weight :	4.4 kg/panel
	Display Colors	281 trillion
	Refresh rate:	3480 Hz
	Ingress Protection:	IP54
	Brightness:	600 CD/SQM
	Control Mode	To be synchronized with computer monitor

Cabinet Specs:

Cabinet & Cabinet	Module Composing:	6pcs
	Cabinet Material:	Aluminium die-cast cabinet
	Optimal Viewing Distance:	1-25M(According to the final screen size)
	Optimal Viewing Angle:	Horizontal angle: 160 degree; Vertical angle: 160 degree
	Environment Temperature:	Storage: -40 degree~+65 degree Operation: -20 degree~+60 degree
	Operate Voltage:	AC: 100V~ 120V AC: 220V~240V
	Gray/color:	16 bits
	Life Span:	≥100000 Hours
	Power Switch:	Automatic Switch/Software Schedule
	IP Rating:	IP 54 front & rear

SCREEN:	Specifications	Parameter
CONTROL SYSTEM	Video Input (with video processor)	DVI.HDMO, PAL/NTSC/SECAM:VGA:RGB Composite Video;SDI etc.
	Control Method	Synchronization display (to computer display)
	Control System	Main controller+Branch controller (receiving card)+DVI card+CAT/Fiber
	Transmission Distance	Multi mode fiber<500m, Single mode fiber <30Km,
		Internet Cable<100m

Accessories

Accessories List

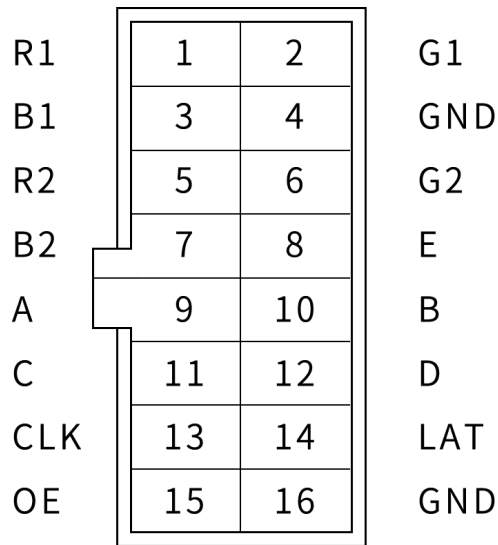
Accessories		
		
Power Supply	Single Cable	Screws, connecting sheet, Sleeve Piece
		
Equipment for front and rear maintenance	Keys	



All product descriptions in this datasheet are intended as a general guide. Rand Tech cannot accept any liability arising from the reliance on such data to the extent permitted by law. Rand Tech will always develop and improve its products and datasheets.

Rand Tech for Electronic Manufacturing Tel +966 11 491 1034 - randt.sa - info@randt.sa

Interface Picture (HUB75)



Interface Definition

Interface Definition

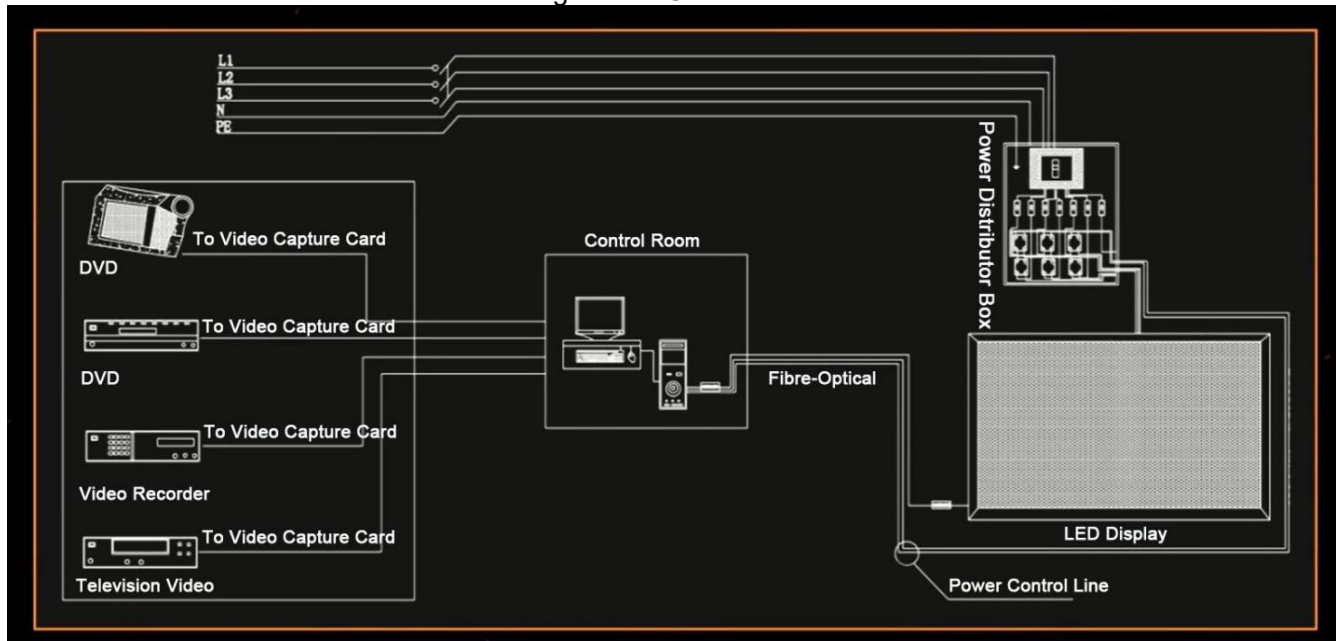
Pin	Signal	Function	Pin	Signal	Function
1	R1	Red Data Signal	2	G1	Green Data Signal
3	B1	Blue Data Signal	4	GND	Power Ground
5	R2	Red Data Signal	6	G2	Green Data Signal
7	B2	Blue Data Signal	8	E	Row Decoding Signal
9	A	Row Decoding Signal	10	B	Row Decoding Signal
11	C	Row Decoding Signal	12	D	Row Decoding Signal
13	CLK	Clock Signal	14	LAT	Latch Signal
15	OE	Enable Signal	16	GND	Power Ground



All product descriptions in this datasheet are intended as a general guide. Rand Tech cannot accept any liability arising from the reliance on such data to the extent permitted by law. Rand Tech will always develop and improve its products and datasheets.

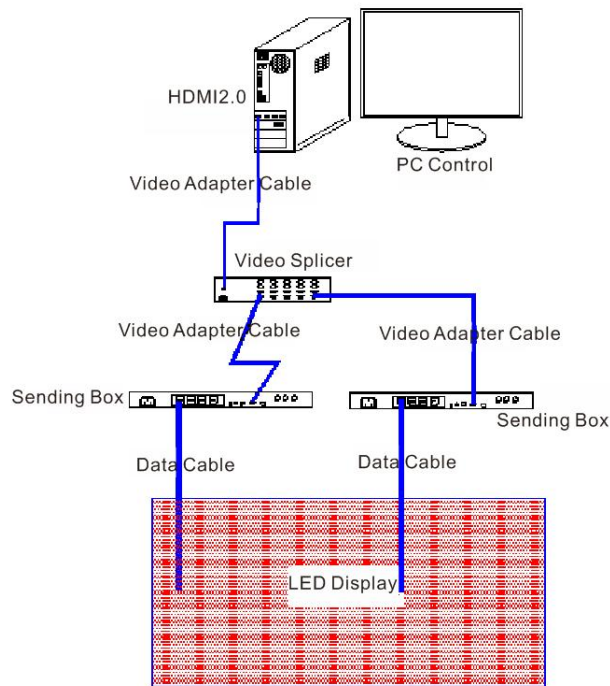
Rand Tech for Electronic Manufacturing Tel +966 11 491 1034 - randt.sa - info@randt.sa

Diagram for Connection



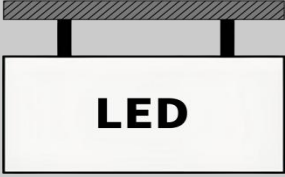
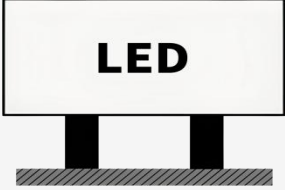
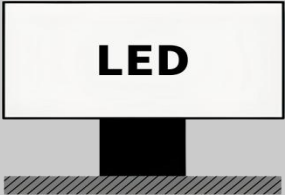
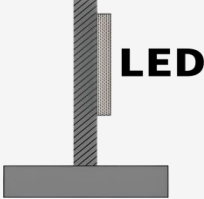
Networking Introduction

Topographic Picture for networking



All product descriptions in this datasheet are intended as a general guide. Rand Tech cannot accept any liability arising from the reliance on such data to the extent permitted by law. Rand Tech will always develop and improve its products and datasheets.

Rand Tech for Electronic Manufacturing Tel +966 11 491 1034 - randt.sa - info@randt.sa

Installation Type	Picture
Hanging Style	
Supporting Style	
Landing Style	
Inlaying Style	
Struting Style	
Wall-attaching Style	



All product descriptions in this datasheet are intended as a general guide. Rand Tech cannot accept any liability arising from the reliance on such data to the extent permitted by law. Rand Tech will always develop and improve its products and datasheets.

Rand Tech for Electronic Manufacturing Tel +966 11 491 1034 - randt.sa - info@randt.sa

Item	Notification
Temperature	Keep the work temperature within -10°C~50°C
Humidity	Keep the storage temperature within -20°C~60°C
Waterproof	Keep the work humidity within 10%RH~98%RH
Dust-proof	Keep the storage humidity within 10%RH~98%RH
Anti-Electromagnetic radiation	IP68
Electrostatic Prevention	IP68
Temperature	LED display shouldn't put under the environment where has strong interference by electromagnetic radiation, which would be easy to picture display abnormal.
Humidity	It should be ground connected well for power supply, cabinet, mental cover of display body, the resistance of ground connection<10Ω, to avoid making any damage to electric components.

Item	User Manual
Electrostatic Protection	The installer need wear electrostatic ring and electric gloves, each equipment should take ground connection well when installing.
Connection Type	There are positive and negative electrode silk printed on module, don't allow to reverse connect, and prohibit to connect with AC 220V.
Operate Type	Prohibit to assemble module, cabinet and whole of display under power on, operation should be under power off completely, to protect personal safety; Prohibit anyone to touch when the LED display is working, in case the static electricity which is generated by body to break through LED and other components.
Dismantle and Transportation	Don't allow to throw, push, compress module, to prevent module falling down, to avoid breaking kit, damage LED chips, etc.
Environmental Inspection	It should match temperature and humidity meter for LED display at installation site, to monitor its surrounding environment, so that it can find out if LED display being affected with damp, moisture, etc.
The Usage of LED display	1.The environmental humidity should be 10%RH~65%RH, it is suggested to turn on LED display one time each day, normal to use above 4 hours each time, to remove its damp. 2.When the environmental humidity is above 65%RH, it should make dehumidification to environment, and it is suggested to work LED display above 8h each day. 3.When LED display has not turned on for a long time, it should preheat LED display to remove moisture before use, to avoid damage LED because of damp, the specific method: 20% brightness to work for 2h, 40% brightness to work for 2h, 60% brightness to work for 2h, 80% brightness to work for 2h, 100% brightness to work for 2h, by this to gradually increase its brightness.

Acceptance Request and Method



All product descriptions in this datasheet are intended as a general guide. Rand Tech cannot accept any liability arising from the reliance on such data to the extent permitted by law. Rand Tech will always develop and improve its products and datasheets.

Rand Tech for Electronic Manufacturing Tel +966 11 491 1034 - randt.sa - info@randt.sa