



LCD WORLD LIMITED



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Wan CHAI, Hong Kong

Factory address: 8/F, Building 16, 8th industrial area, Shajing Republican Street,
Baoan District, Shenzhen, China

www.lcdworldhk.com

■ Company introduction

Rogin was founded in 2009 and has a branch Company in HuBei province. We are a National High- Tech Enterprise with 13 year development. The company has 250 employees and covers an area of 20,000m².

On 2017 LCD WORLD LTD has been established for EMEA market.

LCD WORLD is the EMEA brand of Rogin Electronics Co., Ltd.





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History

- 2009 Rogin was established.
- 2010 ISO9001 2008 Certification.
- 2011 ROHS WEEE Certification.
- 2012 Patent of Sun-readable TFT.
- 2013 ISO14001 Certification.
- 3C FCC CE Certification.
- 2015 Award "Famous Brand of Digital Signage".
- 2015 Jointed with AnHui Industry University, established ShenZhen Display Technology Institute.
- 2016 National High-Tech Enterprise
- 2016 Award of Transparent TFT and Bar TFT.
- 2017 On 2017 LCD WORLD LIMITED established for EMEA market.





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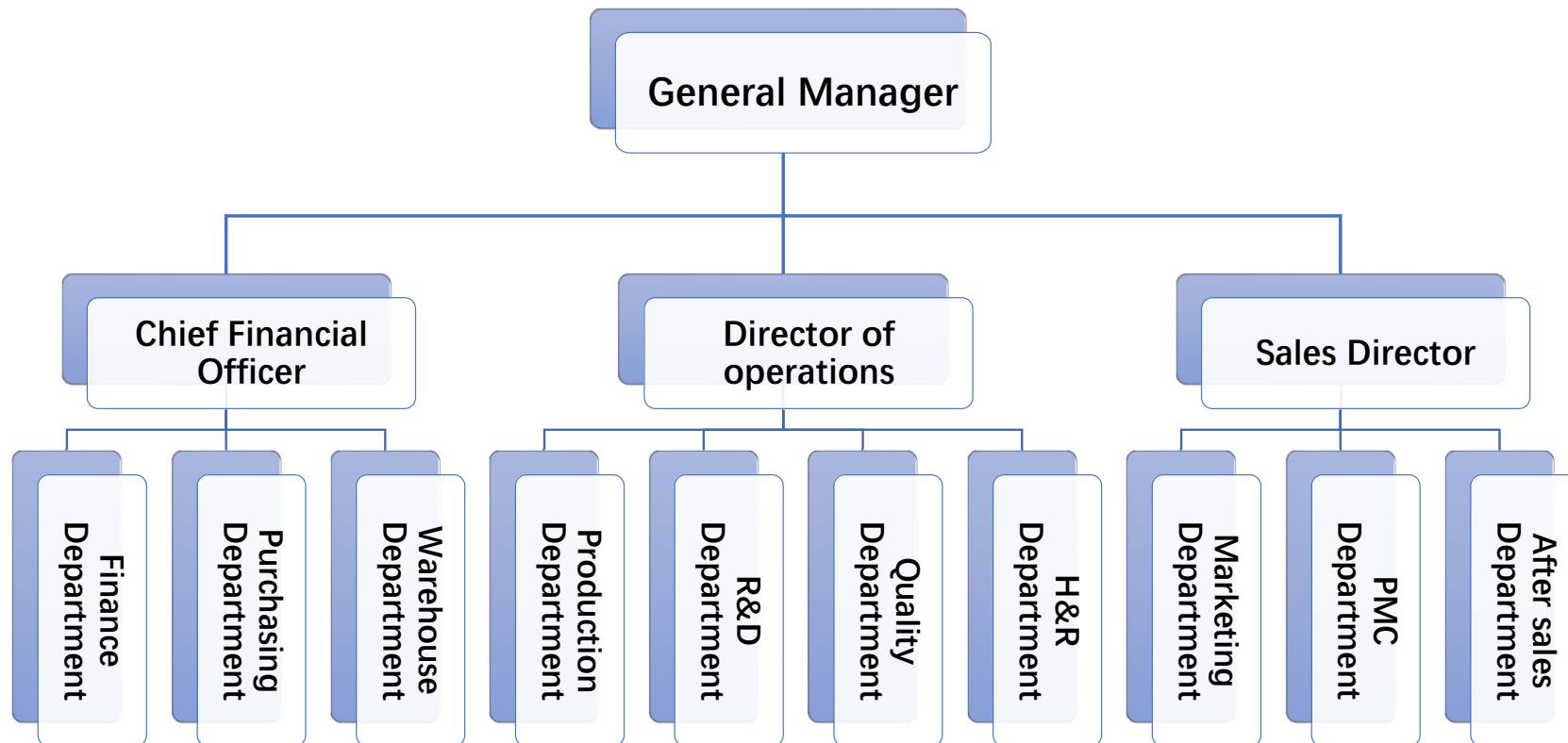
- 2018 Open the first branch company in HuBei, covers an area of 15,000m².
- 2019 The company has fully entered the railway transportation field, participated in the subway construction of 5 cities in China.
- 2020 Open the second branch company in HuBei.
- 2021 Achieved 38 million business target. New automatic COG line in Hubei.
- 2022 New design company focused on TCON and Signal Convert Board.
- 2023 Equipment Upgrading
New automatic COG-FOG line
Plan on Mar. 2023





LCD WORLD LIMITED

Organizational Chart





LCD WORLD LIMITED

■ Company profile



Office



COG production line



FOG production line



High Brightness LCM and
bar LCM production line



Assembly Line



Aging Workshop



Warehouse

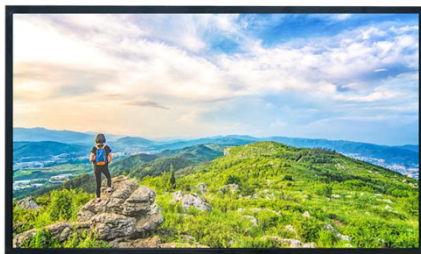


Honor Wall



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Product category



High Brightness lcd display series

Size 2.4"~98"

Brightness 700-5000cd/m2 based on panel size

Customization is available



Small, medium and big size (1.44"~43")

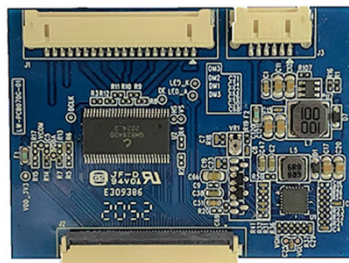
CTP can be customized.



Small and medium size LCD

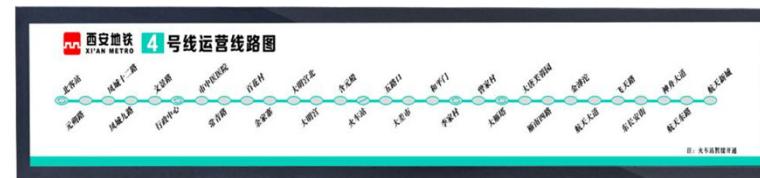
Size 0.96"~10.1"

FPC/TP/BL can be customized



Convert board can be customized.

LVDS/RGB/MIPI/EDP/HDMI signal conversion



Bar type lcd display series

based on OC panel size: 4.3"~75"

can be customized and cut.



Transparent LCD display series (21.5"-86")

Main product is transparent showcase and transparent refrigerator.



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■ Product Application

- Small and medium size LCD display(0.96"~10.1")



- ★ Thousand grade clean room
Cover 3000m2 dust-free workshop
- ★ Optimized process
4 Automatic production line
- ★ Support LCD/FPC/BL/TP customization
- ★ Strict aging test and vibration test





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● Product type choosing --- Small and Medium Size(0.96"-10.1")

Size (inch)	LCDW P/N	Display type	Resolution	A.A(mm)	O.D(mm)	Interface	Luminance(Module surface)	View Angel	Top(°C)	Tst(°C)
0.96	LW0096ZFSN1-03	IPS	80x160	10.8*21.7	13.5x27.951.5	SPI	400cd/m2	Full	-20-70	-30-80
1.54	LW015UFSN2-01	IPS	240x240	27.72x27.72	31.52x33.72x1.4	SPI	250cd/m2	Full	-20-70	-30-80
2.4	LW024CFSN1-01	IPS	240x320	36.72x48.96	42.72x60.26x2.36	SPI	530cd/m2	Full	-20-70	-30-80
	LW024GFLN1-01	IPS	800x480	52.32x31.39	58x41.3x2.58	LVDS	1000cd/m2	Full	-20-70	-30-80
2.8	LW028CFRN2-03	IPS	240x320	43.2x57.6	50.0x69.2x2.25	MCU or SPI	530cd/m2	Full	-20-70	-30-80
3.5	LW035CFRN1-02	IPS	320x240	70.08x52.56	76.9x63.9x3.15	TTL	230cd/m2	Full	-20-70	-30-80
3.8	LW038JFLN1-01	IPS	1024x600	82.64x48.42	89.92x59.93x2.78	LVDS	1000cd/m2	Full	-20-70	-30-80
3.97	LW040GFMN2-02	IPS	480x800	51.84x86.4	57.14x96.85x2.25	MIPI	500cd/m2	Full	-20-70	-30-80
3.95	LW040U2FRN1-01	IPS	480x480	71.86x70.18	78.8x81.7x2.0	TTL	300cd/m2	Full	-20-70	-30-80
4.3	LW043DFRN1-01	IPS	480x272	95.04x53.86	105.4x67.15x2.85	TTL	300cd/m2	Full	-20-70	-30-80
	LW043GFRN2-01	IPS	800x480	95.04x53.86	105.4x67.2x3.0	TTL	250cd/m2	Full	-20-70	-30-80
5	LW050GURN2-02	TN	800x480	108.0x64.8	120.7x75.8x2.95	TTL	500cd/m2	12:00	-20-70	-30-80
	LW050GFRN2-02	IPS	800x480	108.0x64.8	120.7x75.8x2.85	TTL	650cd/m2	Full	-20-70	-30-80
	LW050LFMN4-01	IPS	720x1280	61.78x109.82	66.4x120.05x1.7	MIPI	350cd/m2	Full	-20-70	-30-80
5.7	LW050RFLN1-01	IPS	1920x1080	126.72x71.28	144.56x87.4x5.5	LVDS	1000cd/m2	Full	-20-70	-30-80



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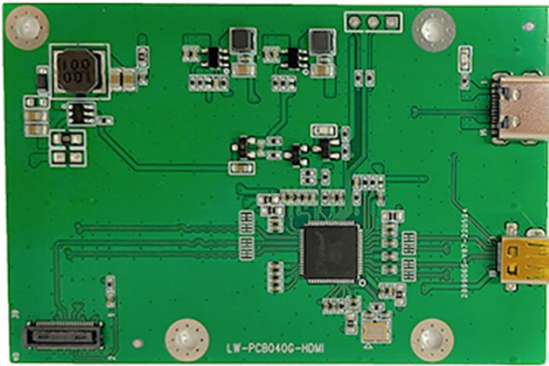
● Product type choosing --- Small and Medium Size(0.96"-10.1")

Size (inch)	LCDW P/N	Display type	Resolution	A.A(mm)	O.D(mm)	Interface	Luminance(Module surface)	View Angel	Top(°C)	Tst(°C)
7	LW070GURN3-02	TN	800x480	154.08x85.92	164.90x100.0x5.7	TTL	350cd/m2	12:00	-20-70	-30-80
	LW070GULN4-01	TN	800x480	154.08x85.92	164.9x85.92x12.65	LVDS	300cd/m2	12:00	-20-70	-30-80
	LW070JULN3-01	TN	1024x600	154.21x85.92	164.90x100.0x3.5	LVDS	350cd/m2	12:00	-20-70	-30-80
	LW070JFLN1-01	IPS	1024x600	154.21x85.92	165.0x100.0x5.5	LVDS	500cd/m2	Full	-20-70	-30-80
	LW070JFMN2-01	IPS	600x1024	89.28x152.37	97.0x163.8x2.6	MIPI	250cd/m2	Full	-10-50	-20-60
	LW070MFMN8-01	IPS	800x1280	94.2x150.72	103.46x162.03x2.3	MIPI	300cd/m2	Full	-10-50	-20-60
8	LW080HURN2-01	TN	800x600	162.0x121.5	183.0x141.0x5.5	TTL	1000cd/m2	6:00	-20-70	-30-80
	LW080JFLN1-01	IPS	1024x600	176.64x99.36	192.8x116.9x4.2	LVDS	300cd/m2	Full	-20-70	-30-80
	LW080KFLN1-02	IPS	1024x768	162.05x121.54	174.0x136.0x2.5	LVDS	250cd/m2	Full	-10-50	-20-60
	LW080MFMN1-02	IPS	800x1280	107.64x172.22	114.6x184.1x2.6	MIPI	350cd/m2	Full	-20-60	-30-80
9	LW090GURN1-03	TN	800x480	198x111.67	210.7x126.4x3.4	TTL	350cd/m2	12:00	-20-70	-30-80
	LW090JUMN1-02	TN	1024x600	196.61x114.15	210.7x126.4x5.0	MIPI	450cd/m2	12:00	-20-70	-30-80
10.1	LW101JFRN1-01	IPS	1024x600	222.72x125.28	235.0x143.0x4.5	TTL	400cd/m2	Full	-20-70	-30-80
	LW101JULN1-02	TN	1024x600	222.72x125.28	235.0x143.0x4.3	LVDS	450cd/m2	12:00	-20-70	-30-80
	LW101MFLN6-06	IPS	1280X800	216.81x135.5	228.5x149.5x4.55	LVDS	1000cd/m2	Full	-20-70	-30-80
	LW101MFLN5-01	IPS	800x1280	135.36x216.58	143.0x228.6x2.9	LVDS	400cd/m2	Full	-20-70	-30-80
	LW101SFMN1-02	IPS	1200x1920	135.36x216.58	143x228.55x2.4	MIPI	250cd/m2	Full	0-50	-20-60

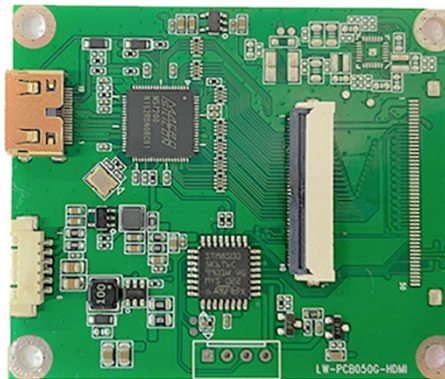


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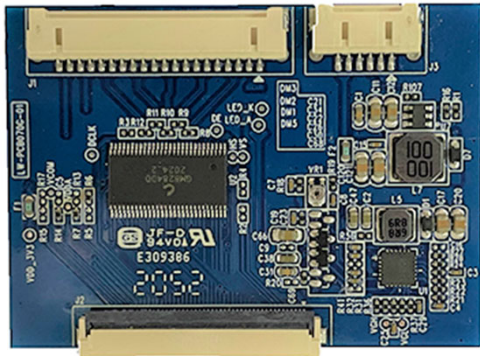
● Customized Convert board



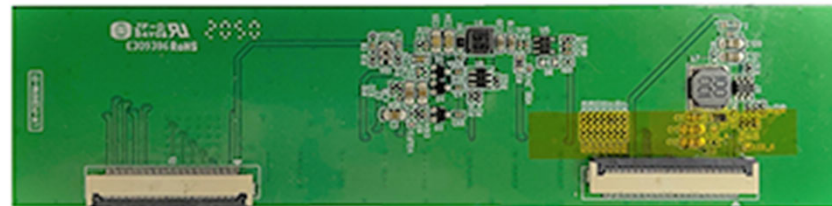
MINI HDMI to MIPI



Micro HDMI to RGB



LVDS to RGB with LED driver



LVDS Single Voltage with LED driver

■ Strong technical design for convert board, providing different driving conditions based on customer request.

- ★ RGB/LVDS/MIPI/EDP/HDMI signal conversion
- ★ Integrated power supply for TFT driving.
- ★ Integrated LED driver on board.
- ★ Any special customer request.



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- High Brightness LCD display (2.4"~86")



- ★ Brightness customization
700-5000cd/m²
- ★ Outdoor Sunlight readable
- ★ High uniformity (Up to 85% uniformity)
- ★ Aluminium Backlight structure with
good heat dissipation
- ★ Intelligent light sensor
- ★ Long lifetime (over 50K hours)
- ★ High shock resistance and stability



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● Product type choosing --- High Brightness TFT (2.4"-86")

Size (inch)	LCDW P/N	Display type	Resolution	A.A(mm)	O.D(mm)	Interface	Luminance	View Angel	Top(°C)	Tst(°C)
2.4	LW024GFLN1-01	IPS	800x480	52.32x31.39	58x41.3x2.58	LVDS	1000cd/m2	Full	-20-70	-30-80
3.8	LW038JFLN1-01	IPS	1024x600	82.64x48.42	89.92x59.93x2.78	LVDS	1000cd/m2	Full	-20-70	-30-80
4.3	LW043DURN7-01	TN	480x272	95.04x53.86	105.0x64.1x2.95	TTL	1000cd/m2	12:00	-20-70	-30-80
	LW043GFRN2-03	IPS	800x480	95.04x53.86	105.0x67.2x2.95	TTL	1000cd/m2	12:00	-20-70	-30-80
5	LW050GFRN3-01	IPS	800x480	108.0x64.8	113.6x74.6x2.52	TTL	1000cd/m2	12:00	-20-70	-30-80
5.7	LW050RFLN1-01	IPS	1920x1080	126.72x71.28	144.56x87.4x5.5	LVDS	1000cd/m2	Full	-20-70	-30-80
7	LW070JFRN1-02	IPS	1024x600	154.21x85.92	165.0x100.0x5.5	TTL	900cd/m2	Full	-20-70	-30-80
10.1	LW101MFLN6-07	IPS	1280x800	216.96x135.6	229.46x149.1x4.7	LVDS	1000cd/m2	Full	-20-70	-30-80
10.4	LW104HULN2-03	TN	800x600	211.2x158.4	236x176.9x15.5	LVDS	1500cd/m2	12:00	-20-70	-30-80
	LW104KFLN2-02	IPS	1024x768	210.4x157.8	238.6x175.8x7.5	LVDS	1000cd/m2	12:00	-20-70	-30-80
12.1	LW121MFLN2-02	TN	1280x800	261.1x163.2	278.0x184.0x8.6	LVDS	1000cd/m2	12:00	-20-70	-30-80
13.3	LW133RFLN1-01	IPS	1920x1080	293.76x165.24	307.6x183.05x5.5	eDP 1.2	500cd/m2	Full	0-50	-20-60
15	LW150KFLN1-01	IPS	1024x768	304.128x228.096	326.5x253.5x9.7	LVDS	1000cd/m2	Full	0-60	-20-70
15.6	LW156RFEN1-03	IPS	1920x1080	344.16x193.59	360.0x222.23x6.4	eDP 1.2	1000cd/m2	Full	0-50	-20-60
17	LW170NFLN1-01	TN	1280x1024	337.92x270.34	358.5x296.5x10.3	LVDS	1000cd/m2	12:00	0-50	-20-60
18.5	LW185RFLN1-01	IPS	1920x1080	408.96X230.04	430.4x254.6x12.0	LVDS	1000cd/m2	Full	-20-70	-20-70



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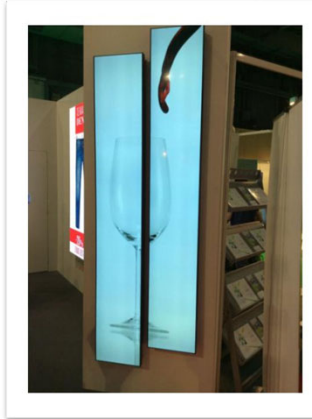
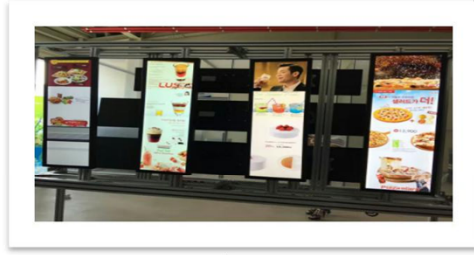
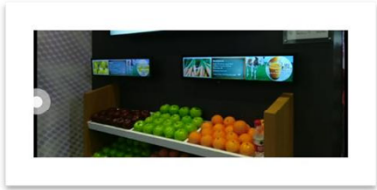
● Product type choosing --- High Brightness TFT (2.4"-86")

Size (inch)	LCDW P/N	Display type	Resolution	A.A(mm)	O.D(mm)	Interface	Luminance	View Angel	Top(°C)	Tst(°C)
19	LW190NFLN1-01	IPS	1280x1024	374.784x299.827	396.0x324.0x9.9	LVDS	500cd/m2	Full	0-50	-20-60
21.5	LW215RFLN1-01	IPS	1920x1080	476.64x268.11	495.6x292.2x11.3	2ch-LVDS	1000cd/m2	Full	0-50	-20-60
	LW215RFLN5-04	IPS	1920x1080	476.64x268.11	502.8x299.18x16	2ch-LVDS	2000cd/m2	Full	-20-85	-20-85
24	LW240RFLN1-02	VA	1920x1080	531.36x298.89	556x323.2x17	2ch-LVDS	1000cd/m2	Full	-20-70	-30-80
27	LW270RFLN2-02	VA	1920x1080	597.6x336.15	613.6x356.85x10	2ch-LVDS	500cd/m2	Full	0-50	-20-60
32	LW320RFLN2-01	IPS	1920x1080	698.4x392.85	729.4x424.2x29.5	2ch-LVDS	1500cd/m2	Full	-20-70	-20-70
43	LW430RFLN2-03	IPS	1920x1080	941.18x529.42	973.2x561.5x29.5	2ch-LVDS	1500cd/m2	Full	-20-70	-20-70
	LW430RFLN2-01	IPS	1920x1080	940.896x529.254	965.2x553.4x55	2ch-LVDS	2000cd/m2	Full	-20-70	-20-70
	LW430VFVN1-01	IPS	3840x2160	941.184x529.416	961.7x550.1x11.7	V-by-One	500cd/m2	Full	0-50	-20-60
49	LW490VFVN1-01	IPS	3840x2160	1073.78x604	1103.8x634x31.5	V-by-One	1500cd/m2	Full	0-50	-20-60
55	LW550RFLN2-01	IPS	1920x1080	1209.6x680.4	1243x725.4x36.7	2ch-LVDS	1200cd/m2	Full	-30-80	-30-80
	LW550RFLN2-02	IPS	1920x1080	1209.6x680.4	1237.6x708.4x56.1	2ch-LVDS	2500cd/m2	Full	-30-80	-30-80
	LW550VFVN1-01	IPS	3840x2160	1209.6x680.4	1232.8x703.6x32.9	V-by-One	800cd/m2	Full	0-50	-20-60
65	LW650RFLN1-02	IPS	1920x1080	1428.48x803.52	1452.4x827.5x59	LVDS	2000cd/m2	Full	0-50	-20-60
	LW650VFVN1-01	IPS	3840x2160	1428.48x803.52	1452.4x827.5x61	V-by-One	2000cd/m2	Full	-30-80	-30-80
75	LW750VFVN2-01	IPS	3840x2160	1649.664x927.936	1689x971x66.15	V-by-One	2000cd/m2	Full	-30-80	-30-80
86	LW860VFVN1-01	IPS	3840x2160	1895.04x1065.94	1933x1108.5x72.1	V-by-One	2000cd/m2	Full	0-50	-20-60



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● Bar LCD display



- ★ 3 Cutting machines, based on our own design
- ★ Longest size can be cut is 1.7m (Equal to 75 inch OC)
- ★ Advanced cut technology to ensure high production yield and precision
- ★ High anti-vibration, fulfilled the metro and public transportation fields
- ★ 500-2500cd/m2 brightness
- ★ Long life time design(over 50K hours)



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● Product type choosing --- Bar Type TFT

Size (inch)	LCDW P/N	Resolution	A.A(mm)	O.D(mm)	Interface	Luminance	View Angel	Top(°C)	Tst(°C)
7.3	LWB073A-01	1280x400	178.56x55.8	192x70.6x5	LVDS	700cd/m2	Full	-20-70	-20-80
12.3	LWB123A-01	1024x256	304.13x76.03	325.9x100.3x11.6	LVDS	500cd/m2	Full	-20-70	-20-70
14.9	LWB149A-01	1280x239	374.78x70.4	402x97.54x23	2ch-LVDS	500cd/m2	Full	0-50	-20-60
15	LWB150A-01	1280x248	374.78x72.61	396x100.8x12.58	2ch-LVDS	300cd/m2	Full	0-50	-20-60
15.3	LWB153A-01	1280x342	374.78x100.1	395.2 x124.85x12.5	2ch-LVDS	500cd/m2	Full	0-50	-20-60
16.37	LWB1637A-01	1366x238	409.8x71.4	431.8x95.6x15.1	LVDS	400cd/m2	Full	0-50	-20-60
16.4	LWB164A-01	1366x230	409.8x69	431.8x94.8x14.7	LVDS	700cd/m2	Full	0-50	-20-60
16.8	LWB168A-01	1366x384	409.8x115.2	431.8x141x14.7	LVDS	700cd/m2	Full	0-50	-20-60
17.2	LWB172A-01	1366x510	409.8x153	430.4x178.4x12	LVDS	500cd/m2	Full	0-50	-20-60
16.3	LWB163A-01	1920x285	408.96x60.705	432x85x14.8	2ch-LVDS	800cd/m2	Full	0-50	-20-60
16.9	LWB169A-01	1920x624	408.96x133	430.4x158.5x23.8	2ch-LVDS	800cd/m2	Full	0-50	-20-60
19.1	LWB191A-01	1920x340	476.64x84.4	497.4x110.9x13.5	2ch-LVDS	700cd/m2	Full	0-50	-20-60
19.4	LWB194A-01	1920x510	476.6x126.6	495.6x150.7x12	2ch-LVDS	500cd/m2	Full	0-50	-20-60
19.7	LWB197A-01	1920x624	476.64x154.9	497.4x179.4x14.5	2ch-LVDS	1000cd/m2	Full	0-50	-20-60
23.9	LWB239A-01	1920x359	597.6x112	623.5x104x13.57	2ch-LVDS	700cd/m2	Full	0-50	-20-60
24.6	LWB246A-01	1920x578	597.6x180	623.5x208x13.57	2ch-LVDS	700cd/m2	Full	0-50	-20-60



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● Product type choosing --- Bar Type TFT

Size (inch)	LCDW P/N	Resolution	A.A(mm)	O.D(mm)	Interface	Luminance	View Angel	Top(°C)	Tst(°C)
28	LWB280A-01	1920x360	698.4x130.95	729.3x167.3x17.2	2ch-LVDS	1000cd/m2	Full	0-50	-20-60
28.8	LWB288A-01	1920x540	698.4x196.43	735.8x233.8x18.1	2ch-LVDS	700cd/m2	Full	0-50	-20-60
35.6	LWB356A-01	1900x2160	598.5x680.4	628.6x711x18.7	V-By-One	500cd/m2	Full	0-50	-20-60
36.6	LWB366A-01	1920x290	919.3x139	956.9x176.5x17.9	2ch-LVDS	1000cd/m2	Full	0-50	-20-60
38	LWB380A-01	1920x540	919.3x258	955.9x304.6x19	2ch-LVDS	700cd/m2	Full	0-50	-20-60
43.5	LWB435A-01	1920x268	1095.84x153	1121.7x184.8x21.6	2ch-LVDS	1000cd/m2	Full	0-50	-20-60
47.8	LWB478A-01	1920x178	1209.6x112.1	1244.6x151.5x23.9	2ch-LVDS	1600cd/m2	Full	0-50	-20-60
47.95	LWB4795A-01	1920x238	1209.6x150	1249.2x190x27	2ch-LVDS	700cd/m2	Full	0-50	-20-60
49.5	LWB495A-01	1920x540	1209.6x340.2	1233.6x364.2x54	2ch-LVDS	2000cd/m2	Full	0-50	-20-60
49.5	LWB495A-02	1920x540	1209.6x340.2	1228x385x31.8	2ch-LVDS	1000cd/m2	Full	0-50	-20-60
56.6	LWB566A-01	3840x470	1428.48x174.84	1470.5x222x26.5	V-By-One	700cd/m2	Full	0-50	-20-60
57.5	LWB575A-01	3840x810	1428.48x301.2	1469.5x343.2x27.5	V-By-One	700cd/m2	Full	0-50	-20-60
65.3	LWB653A-01	3840x412	1649.66x177	1654.66x181.95x23.5	V-By-One	1000cd/m2	Full	0-50	-20-60
69.3	LWB693A-01	3840x1440	1649.66x618.62	1653.66x622.62x29	V-By-One	1000cd/m2	Full	0-50	-20-60



LCD WORLD LIMITED

● CTP & RTP



- ★ Automobile navigation
- ★ Industrial installation
- ★ Intelligent home
- ★ 3 D printer
- ★ Medical equipment
- ★ Intelligent cashier



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● Product type choosing --- CTP

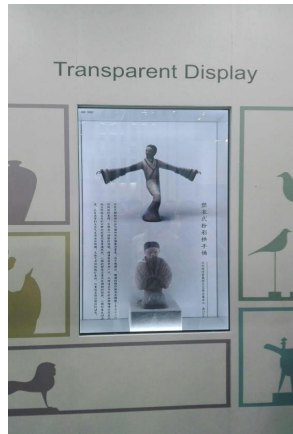
Size (inch)	LCDW P/N	Structure	V.A(mm)	O.D(mm)	Interface	Top(°C)	Tst(°C)
2.4	LW-CTP024-01	G+F	49.56x37.32	63.2x48.7x1.15	IIC	-20-70	-30-80
2.8	LW-CTP028-02	G+G	44.2x58.6	50.6x69.8x1.43	IIC	-20-70	-30-80
3.5	LW-CTP035-01	P+G	70.08x52.56	76.4x63.4x1.08	IIC	-20-70	-30-80
4	LW-CTP040-03	G+G	52.64x87.2	57.14x97.05x1.8	IIC	-20-70	-30-80
4.3	LW-CTP043-06	G+G	96.04x54.86	104.84x66.8x1.43	IIC	-20-70	-30-80
5	LW-CTP050-03	G+G	109x65.8	120.7x76.3x1.85	IIC	-20-70	-30-80
7	LW-CTP070-09	G+G	154.81x86.62	165.00x100.00x1.70	IIC	-20-70	-30-80
	LW-CTP070-04	G+G	155.11x86.89	187.8x119x1.8	USB	-20-70	-30-80
8	LW-CTP080-01	G+G	163.28x122.8	191.9x150x1.4	USB	-20-70	-30-80
9	LW-CTP090-01	G+G	197.61x115.15	225.2x152x1.83	IIC	-20-70	-30-80
10.1	LW-CTP101-13	G+G	223.72x126.28	235x144.99x2.78	IIC	-20-70	-30-80
	LW-CTP101-04	G+G	217.96x136.6	253.96x168.6x1.4	USB	-20-70	-30-80
12.1	LW-CTP121-01	G+G	246.56x185.12	260.4x203.9x2.35	USB	-20-70	-30-80
15.6	LW-CTP156-01	G+G	346.2x195.5	385.7x235.7x2.45	USB	-20-70	-30-70

Remark: The CTP can be customized for 1.54" to 65"



LCD WORLD LIMITED

● Transparent LCD display



- ★ High transmittance (60%)
- ★ High contrast
- ★ Support customization
- ★ Pictures are clear and stable
- ★ Long life time



LCD WORLD LIMITED

■ Company introduction



The specialty casts quality, the concentration achieve future success.

Operation principle: Supply good product, provide best service, advanced technology and good quality.

Core competence: Continuous Innovation, Fast Response.



LCD WORLD LIMITED

■ Company Target

Sales Volume in recent six years (2017-2023)





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Thanks for your time