



Shanghai Top Display Optoelectronics Co., LTD

上海冠显光电科技有限公司



Focusing On Professional Application Market
Becoming Leader In Display And Total Display Solutions

行业应用市场显示屏
显示整体解决方案领导者

ABOUT US

关于我们



Shanghai Top Display Optoelectronics(TDO) is a high-tech enterprises that integrates R&D, manufacturing and sales, which dedicates to be the leader in Display module and Intelligent UART display, mainly focus on the professional application market including smart home, smart home appliances, Industry, medical, Military, surveying, charging pile, etc. TDO is founded by a core team with more than 10 years experience in display industry and has developed the Theaview sunlight readable technology, TGUS Intelligent UART display and IoT smart switch.

上海冠显光电科技有限公司集研发、制造、销售为一体，致力成为显示模组、智能串口显示屏的领导者。目标聚焦智能家居、智能家电、工业、医疗、军工、测绘、充电桩等行业应用市场。在深圳全资拥有专业净化制造工厂。由超过10年显示产业经验的核心团队创立，自主研发了THEAVIEW阳光下可视显示技术、TGUS智能串口显示和IoT智能开关。

CERTIFICATES AND AWARDS

荣誉资质



Innovation Competition Award
高新技术企业证书



ISO9001
ISO质量认证证书



ISO14001
ISO环境认证证书



Software Copyright Certificate
软件著作权证书



Patent Certificate
专利证书

PRODUCT LINES

产品系列



LCD Display Module
LCD显示模组



OLED Display Module
OLED显示模组



Theaview® Outdoor Sunlight Readable
Theaview® 阳光可视显示模组



HDMI Solution
显示方案



TGUS® UART Display Module
TGUS® 串口显示模组



IoT Display Solution
IoT 显示方案

APPLICATION MARKET

市场应用





Shanghai Top Display Optoelectronics Co., Ltd 上海冠显光电科技有限公司



TFT-LCD Display Module (Touch Panel Optional)

TFT-LCD显示模组与触摸屏

Shanghai Top Display Optoelectronics Co., LTD (TDO) focuses on design, manufacture, sales of 0.2inch~15 inch small and medium size TFT- LCD modules and total display solutions. We have customized LCD display modules, optical bonding modules, circular display, square display, bar type display and other characteristics products. our products have been widely used in smart wearable, portable hand-held terminals, intelligent POS, personal care, three-proof mobile phone, power system, charging pile, electric vehicles, intelligent robots and other applications.

上海冠显光电科技有限公司专注设计、制造、销售0.2寸~15寸等中小尺寸TFT-LCD模组与整体显示解决方案。我们拥有定制化LCD显示模组、RTP、CTP、光学全贴合模组、圆形显示屏、方形显示屏、长条显示屏等特色化产品。我们的产品广泛应用于智能穿戴、便携手持终端、智能POS、个人医疗、三防手机平板、电力系统、充电桩、电动车、智能机器人等应用领域。

• Product Features



LCD Display Module
LCD 显示模组



Square Display Module
正方形显示模组



Circular Display Module
圆形显示模组



Bar Type Display Module
长条显示模组



OLED Display Module
OLED显示模组



Optical Bonding Display Module
光学全贴合触控模组



Capacitive Touch Panel
电容触摸屏



Resistive Touch Panel
电阻触摸屏

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工厂地址：深圳市宝安区沙井路1号锦康工业园1栋3A



Shanghai Top Display Optoelectronics Co., Ltd
上海冠显光电科技有限公司



TFT-LCD Display Module Product List

Shape 形状	Size 尺寸	Resolution 分辨率	Model Number 产品型号	A.A Size (mm) 显示区域 (mm)	Outline (mm) 外形尺寸 (mm)	Brightness 亮度 (nits)	Interface 接口	Remark 备注
Circular 圆形	1.22"	240RGB*204	TL012FQV01	Φ=30.96	33.66*33.02*1.50	280	SPI	IPS/CTP
	1.28"	240RGB*240	TL013QVC01	Φ=32.40	35.50*38.23*1.34	300	MCU8/16bit,SPI	IPS
	1.28"	240RGB*240	TL013QVC20	Φ=32.40	35.60*38.10*1.64	300	RGB	IPS
	1.30"	320RGB*320	TL013HVC02	Φ=33.12	36.02*39.09*1.60	400	MIPI	IPS
	2.1"	480RGB*480	TL021WVC02	Φ=53.28	56.18*59.71*2.30	300	RGB	IPS/CTP
	2.1"	480RGB*480	TL021WVC03	Φ=53.28	56.18*59.71*2.30	300	MIPI	IPS/CTP
	2.47"	480RGB*480	TL025VGC01	Φ=62.64	69.19*71.74*2.45	400	MIPI	IPS
		480RGB*480	TL025VGC02	Φ=62.64	69.19*71.74*2.45	400	RGB	IPS
	3.4"	800RGB*800	TL034WXC01	Φ=87.60	96.60*99.00*2.45	400	MIPI	IPS/CTP
Square 正方形	5.0"	1080RGB*1080	TL050FHC01	Φ=127.008	132.21*136.53*1.98	400	MIPI	IPS
	1.3"	240RGB*240	TL013QVV01	23.40*23.70	26.20*29.22*1.90	300	SPI	IPS
	1.54"	240RGB*240	TL015FQV11	27.72*27.72	31.52*33.72*1.50	300	SPI	IPS/CTP
		320RGB*320	TL015QVV07	27.74*27.74	31.52*33.72*1.50	250	MIPI	IPS
	3.4"	480RGB*480	TL034WVS01	60.48*60.48	70.45*72.00*2.39	300	RGB	IPS/MIPI/CTP
	4.0"	480RGB*480	TL040WVS04CT	71.86*70.18	84.00*84.00*3.05	400	MIPI	IPS/RGB/CTP
		720RGB*720	TL040HDS01CT	71.93*71.93	84.00*84.00*2.56	300	RGB	IPS/MIPI/CTP
Bar Type 长条形	0.96"	80RGB*160	TL010QQV01	10.80*21.27	13.70*28.10*1.57	350	SPI	IPS
	1.90"	170RGB*320	TL019FQV01	22.70*42.72	25.80*49.72*1.43	350	SPI,MCU8bit	IPS
	3.16"	320RGB*820	TL032FWV01	26.40*67.65	31.20*76.60*2.40	550	RGB	IPS/MIPI/CTP
	3.46"	340RGB*800	TL035WV28	33.97*81.00	37.27*89.00*1.52	350	RGB	IPS/MIPI/CTP
	3.9"	480RGB*128	TL039HWQH01	95.04*25.34	105.50*40.64*2.95	600	RGB	TN/Landscape
	4.6"	800RGB*320	TL046QWXH01	108.00*43.20	120.70*57.06*3.10	550	RGB	TN/Landscape
	6.86"	480RGB*1280	TL068HWXH02	60.22*160.59	66.60*181.00*4.50	550	LVDS	IPS/MIPI/CTP
	7.84"	400RGB*1280	TL078HWXH06	59.40*190.08	67.80*205.78*4.75	800	LVDS	IPS/MIPI/CTP
	9.0"	1024RGB*105	TL090SWSH01	230.40*23.62	240.08*37.8*4.30	400	RGB	TN/Landscape
	9.35"	320RGB*1280	TL094HWXH02	58.08*232.32	65.42*247.96*4.75	600	MIPI	IPS/CTP
	10.4"	1024RGB*100	TL104XWSH01	264.19*25.8	274.92*41.50*4.50	1000	RGB	TN/Landscape
	11.0"	1280RGB*120	TL110SWXH01	280.32*27.00	288.92*41.20*8.790	900	RGB	TN/Landscape
Normal Landscape 横屏	1.0"	128RGB*96	TL010QQH01	20.35*15.26	23.75*23.15*1.80	250	SPI	TN/Landscape
	2.0"	320RGB*240	TL020QVH06	40.80*30.60	44.05*40.00*2.10	250	MCU 8bit	TN/SPI/Landscape
	2.6"	480RGB*320	TL026HVH01	55.01*36.67	59.21*46.00*2.20	300	MIPI	IPS/Landscape
	3.5"	320RGB*240	TL035QVH11	70.08*52.56	76.90*63.90*2.85	350	RGB 24bit	IPS/Landscape
		640RGB*480	TL035VGH10	70.08*52.56	76.90*63.90*2.85	350	RGB 24bit	IPS/Landscape
	4.3"	480RGB*272	TL043WQH25	95.04*53.86	105.40*67.10*2.95	500	RGB	IPS/Landscape/RT/CT
		800RGB*480	TL043WVH02	95.04*53.86	105.50*67.20*2.50	450	RGB	IPS/Landscape/RT/CT
	5.0"	800RGB*480	TL050WVH06	108.00*64.80	120.70*76.30*3.10	300	RGB	IPS/Landscape/RT/CT
	7.0"	800RGB*480	TL070WVH94	154.08*85.92	164.90*100.00*5.70	500	RGB	TN/Landscape/RT/CT
		1024RGB*600	TL070WSH29	154.21*85.92	164.90*100.00*3.45	500	RGB	IPS/MIPI/LVDS/RT/CT
Normal Portrait 竖屏	1.44"	128RGB*128	TL014QQV01	25.50*26.50	27.90*32.77*2.05	200	MCU 8bit	TN/SPI
	1.77"	128RGB*160	TL018QQV07	28.032*35.04	34.70*46.70*2.35	280	SPI	TN/MCU/RTP
	2.0"	176RGB*220	TL020QCV05	31.68*39.60	37.68*51.30*2.45	250	SPI	TN/MCU
		240RGB*320	TL020QVV15	30.60*40.80	37.68*51.32*2.20	250	MCU 8bit	IPS/TN/SPI
	2.2"	176RGB*220	TL022QCV05	34.85*43.56	41.70*56.16*2.30	300	MCU16bit	TN/SPI/RGB
		240RGB*320	TL022QVV02	33.84*45.12	40.60*56.60*2.70	400	MCU,SPI,RGB	TN/RTP
	2.4"	240RGB*320	TL024QVV35	36.72*48.96	42.72*60.26*2.44	300	MCU,SPI,RGB	TN/IPS/RTP/CTP
		320RGB*480	TL024HVV01	33.12*49.68	38.90*61.30*2.10	300	MIPI	TN
	2.8"	240RGB*320	TL028QVV27	43.20*57.60	50.00*69.20*2.36	300	MCU,SPI,RGB	TN/IPS/RTP/CTP
		240RGB*400	TL028WQV01	36.72*61.20	43.22*73.20*3.05	300	MCU16bit	TN/RGB
	3.5"	320RGB*480	TL035HVV29	48.96*73.44	55.26*84.69*2.25	300	MCU	TN/IPS/RGB/MIPI/RTP/CT
		480RGB*640	TL035VGV13	53.28*71.04	64.00*85.00*3.00	400	RGB	IPS/MIPI/CTP
		640RGB*960	TL035QHV02	49.92*74.88	54.50*82.54*1.75	300	MIPI	IPS
	4.0"	480RGB*800	TL040WV27	51.84*86.40	57.14*96.85*2.00	350	MIPI	TN/IPS/MCU/RGB/CTP
		640RGB*1136	TL040HDV03	49.92*88.61	53.80*96.75*1.65	400	MIPI	IPS
	4.3"	480RGB*800	TL043WV14	56.16*93.60	61.90*104.90*2.06	350	RGB	IPS/MIPI
	4.7"	720RGB*1280	TL047HDV05	58.104*103.296	61.50*112.30*1.69	350	MIPI	IPS
	5.0"	480RGB*854	TL050FWV20	62.06*110.42	66.40*120.05*2.22	300	RGB	TN/IPS/MIPI/CTP
		720RGB*1280	TL050HDV35	62.10*110.40	64.60*118.80*1.69	350	MIPI	IPS/RGB/CTP
	5.5"	720RGB*1280	TL055HDV07	68.04*120.96	71.66*129.99*1.65	350	MIPI	IPS/CTP
	6.0"	480RGB*960	TL060WV27	68.04*136.08	70.24*142.59*2.00	500	RGB	IPS/MIPI/CTP
	6.0"	720RGB*1440	TL060HDV07	68.04*136.08	70.24*142.59*1.91	350	RGB	IPS/MIPI/CTP
	7.0"	720RGB*1280	TL070HDV03	86.94*154.56	90.34*162.95*2.15	400	MIPI	IPS/CTP
		1200RGB*1920	TL070WUV16	94.50*151.20	98.75*160.85*2.05	400	MIPI	IPS
	8.0"	800RGB*1280	TL080WXV33	107.64*172.22	114.60*184.10*2.60	300	MIPI	IPS/LVDS
	10.1"	800RGB*1280	TL101WXV33	135.36*216.576	143.00*228.60*2.60	350	MIPI	IPS/LVDS/CTP

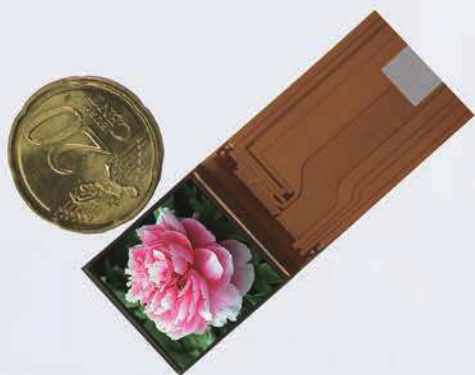


Shanghai Top Display Optoelectronics Co., Ltd 上海冠显光电科技有限公司



Silicon OLED Display 硅基OLED显示

Silicon-OLED Micro Display is ultra-high resolution(PPI up to 2000 or more), high contrast, high brightness(>2500nits), low power consumption,etc.Silicon-OLED is used for AR,VR,wearable display,EVF,FPV,medical equipment,thermal imager and military applications. Also, we could provide display solution with type-C.



AA Size (1.03")	18.43×18.43 mm
Resolution	2560×2560
Brightness	2500nits
Contrast Ratio	500,000:1
Power Consumption	<0.5W @90Hz
Frame Rate	60-90Hz
Color Gamut	100% DCI-P3
Interface	MIPI or Type C

Si-OLED Micro-Display For AR/VR Product List

Size 尺寸	Resolution 分辨率	Model Number 产品型号	A.A Size(mm) 显示区域(mm)	Outline(mm) 外形尺寸(mm)	Brightness 亮度(nits)	Interface 接口	2020 Plan 2020 时程
0.49"	1080*1920	TAS0049FHV01	6.065*10.783	8.553*15.335*1.475	3000	MIPI	Q3WS ; Q4MP
0.72"	1920*1200	TAS0072WUH01	15.552*9.720	18.584*13.885*1.475	2500	MIPI	Q2WS ; Q3MP
1.03"	2560*2560	TAS0103SQS01	18.432*18.432	21.087*22.765*1.475	2500	MIPI	Q1CS ; Q1MP
1.40"	2560*2560	TAS0140SQS01	23.808*23.808	26.000*28.637*1.475	2500	MIPI	Q3WS ; Q4MP

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District,Shenzhen,China
工厂地址：深圳市宝安区沙井路1号锦康工业园1栋3A



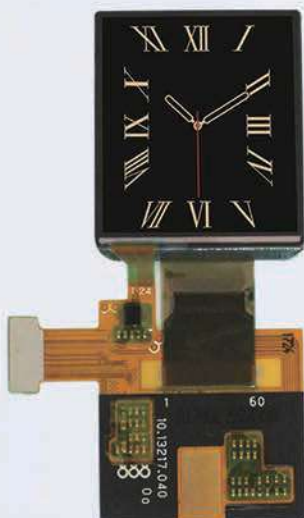
Shanghai Top Display Optoelectronics Co., Ltd
上海冠显光电科技有限公司



OLED Display Module OLED显示模组

AMOLED has the advantages of high resolution, color display, low operation temperature(-40 degrees), which mainly used in Medical, VR, wearable products, industry, military and other fields.

AMOLED具有高分辨率，彩色显示，低温-40度工作等，主要应用于医疗，VR, 穿戴，工业，军工等领域。



AM-OLED Display Module Product List

Size 尺寸	Resolution 分辨率	Model Number 产品型号	A.A Size(mm) 显示区域(mm)	Outline(mm) 外形尺寸(mm)	Brightness 亮度(nits)	Interface 接口	备注 Remark
1.19"	390RGB*390	TA012WVC01	Φ=30.42	33.62*33.99*0.85	350	MIPI	Circular/CTP
1.39"	454RGB*454	TA014WVC01	Φ=35.412	38.21*38.83*0.68	350	MIPI/SPI	Circular
1.41"	320RGB*360	TA014XXX10	23.84*26.82	26.04*31.78*0.78	350	MIPI	Square/CTP
1.78"	368RGB*448	TA018NHV01	28.70*34.94	30.60*37.99*0.80	350	MIPI/SPI	CTP
2.95"	1080RGB*1200	TA029FHV10	50.11*55.68	52.91*62.58*0.653	300	MIPI	Square
5.44"	1080RGB*1920	TA055FHV03	67.82*120.58	69.74*126.60*0.64	300	MIPI	CTP
11.0"	1728RGB*2368	TA110FQXV01	164.70*225.69	168.60*231.64*1.05	350	MIPI	CTP
15.6"	3840RGBx2160	TA156UHDH01	344.22*192.62	348.22*201.62*1.022	440	eDP	4K



Shanghai Top Display Optoelectronics Co., Ltd 上海冠显光电科技有限公司



TGUS[®] UART Display Module TGUS[®] 串口显示模组

TGUS (TDO Graphical Utilized Software) is the abbreviation of Shanghai Top Display Optoelectronics (TDO) Graphical Utilized Software. we have intelligent graphic display system with independent intellectual property rights. UART display module with the industrial grade ARM chip can support TTL/RS-232/RS-485 serial communication mode. we have developed broader product lines with outdoor visual, full view IPS, multimedia play, capacitive touch and other new technology. They could be widely used in charging piles, industrial, medical, instrumentation, air purification and other intelligent human machine interface market.

TGUS[®] (TDO Graphical Utilized Software) 是上海冠显图形应用服务软件的简称。拥有自主知识产权的智能型图形显示系统。UART串口采用工业级ARM芯片，可支持TTL/RS-232/RS-485串行通信模式。拥有户外可视、全视角IPS，多媒体视频播放，电容触控等产品线。可广泛应用于充电桩、工业、医疗、仪器仪表、空气净化等人机智能交互市场。



• Technical Parameters

System		TGUS [®] , Instruction Sets , Secondary Development
Display LCM	Size	1.77inch-18.5inch
	Resolution	Up to 1080*1920
	Color	16/18/24bits RGB,65K/262K /16.7M True Color Display
	LED Backlight	Brightness up to 1000nits with 20000Hrs+ lifetime
System Board	CPU	Industrial Grade ARM Processor
	Flash	Default 128MB for U series and 16MB for Y series products
Port	UART,CAN	TTL/RS-232/RS-485, CAN BUS /CVBS is optional
	SD Card/USB	with Micro SD Card/USB , For Image Download, File Configuration
Peripheral Equipment	Clock/Buzzer/Touch Panel	With RTC, Buzzer and CTP/RTP optional
	Multimedia Play	Video, audio play and boot video support
Electrical Source		5V-24V input
Customization		Both Hardware and Software could be customized

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Shanghai Top Display Optoelectronics Co., Ltd
上海冠显光电科技有限公司



TGUS® Intelligent UART Display Module

TGUS® 智能串口显示模组

• UART Product List

Classification 类别	Size 尺寸	Model Name 型号	Resolution 分辨率	Brightness 亮度(nits)	Operating Voltage 工作电压(V)	View Angle 视角	Interface 接口形式	Remark 备注
HIGH	4.3"	TU043WQS02RT	480*272	500	5.5~24	TN	TTL/RS232/RS485	with Plastic Shell
	4.3"	TU043WQT11	480*272	500	5.5~24	IPS	RS232/RS485	CTP/RTP
	7.0"	TU070WVT01	800*480	500	5.5~24	TN	RS232/RS485	CTP/RTP
STANDARD	1.77"	TU017QQH01	128*160	300	3.3	TN	TTL	
	2.0"	TU020QCH02	176*220	300	5.5~24	TN	TTL/RS232	ADAS Application
	2.0"	TU020QVH11	240*320	300	5/3.3	IPS	TTL/RS232	
	2.4"	TU024QVH11	240*320	300	5/3.3	IPS	TTL/RS232	
	3.5"	TY035QVH11	320*240	500	5.5~24	IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	3.5"	TU035HVBH01	320*480	300	5	TN	TTL/RS232	CTP/RTP
	3.5"	TY035VGH11	640*480	500	5.5~24	IPS	TTL/RS232	CTP/RTP ,Multimedia Play
	4.0"	TU040HDS11	720*720	350	8~35	IPS	RS485/CAN	86 BOX
	4.3"	TY043WQH01	480*272	350	5.5~24	TN/IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	4.3"	TY043WVH11	800*480	500	5.5~24	IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	5.0"	TY050WVH11	800*480	500	5.5~24	TN/IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	5.0"	TY050FWH11	854*480	350	5.5~24	TN	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	5.0"	TY050HDS11	720*1280	350	5.5~24	IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	6.86"	TY068HWH11	480*1280	500	5.5~24	IPS	TTL/RS232/RS485	CTP , Multimedia Play
	7.0"	TY070WVH11	800*480	350	5.5~24	TN/IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	7.0"	TY070WSH11	1024*600	350	5.5~24	TN/IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	7.0"	TY070HDS11	720*1280	500	5.5~24	IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	7.0"	TY070WVH01	800*480	350	5.5~24	TN	TTL/RS232/RS485	CTP/RTP ,Multimedia Play
	7.84"	TY078HWH11	400*1280	500	5.5~24	IPS	TTL/RS232/RS485	CTP , Multimedia Play
	8.0"	TY080SVH11	800*600	300	5.5~24	IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play,CVBS input
	10.1"	TY101WSH11	1024*600	500	5.5~24	IPS	TTL/RS232/RS485	CTP/RTP ,Multimedia Play,CVBS input
BASIC	3.5"	TY035QVC01	320*240	350	5	TN/IPS	TTL	CTP, Multimedia Play, Slim type
	2.1"	TY021WVC11	480*480	350	5	IPS	TTL	CTP, Multimedia Play, Slim type
	3.5"	TY035WVC11	480*800	350	5	IPS	TTL	CTP, Multimedia Play, Slim type
	3.5"	TY035HVC11	320*480	350	5	IPS	TTL	CTP, Multimedia Play, Slim type
	4.0"	TY040HDC11	720*720	350	5	IPS	TTL	CTP, Multimedia Play, Slim type
	4.0"	TY040WVC11	480*480	480	5	IPS	TTL	CTP, Multimedia Play, Slim type
	4.3"	TY043WQC01	480*272	350	5	TN/IPS	TTL	RTP, Multimedia Play, Slim type
	5.0"	TY050WVC01	800*480	350	5	TN/IPS	TTL	RTP, Multimedia Play, Slim type
	6.0"	TY060WVC11	480*960	500	5	IPS	TTL	CTP, Multimedia Play, Slim type



Shanghai Top Display Optoelectronics Co., Ltd 上海冠显光电科技有限公司



Theaview® Outdoor Sunlight Readable Display Module Theaview® 户外阳光可视显示模组

Theaview® outdoor sunlight readable display module is a new display technology with above 5 patents, which has been developed by Shanghai Top Display Optoelectronics (TDO). Theaview® technology can reduce the reflection of outdoor sunlight interference while enhancing the effectiveness of the display module to achieve effective reflection. Theaview® the technology have good visual effects in both indoor and outdoor. Theaview® technology can be widely used in portable hand-held, surveying and mapping, charging piles, electric bicycle, instrumentation, construction machinery and other outdoor terminal products. At present, TDO has developed 1 inch to 10.1 Inch series of products with mass production.

Theaview®户外阳光可视技术是上海冠显光电自主研发，拥有多项专利的新型显示技术。Theaview®技术在降低户外阳光干扰反射的同时增强显示模组的有效反射性能，实现室内、户外都具有良好的可视效果。Theaview®技术可广泛应用于便携手持、测绘、充电桩、电动自行车、仪器仪表、建筑机械等户外终端产品。目前，上海冠显开发的1寸至10.1寸系列产品已经实现量产。

Technology Mode	Outdoor Readability	Indoor Readability
Transmissive	Poor	Good
Transflective	Good	Poor
Theaview® (TDO)	Good	Good

• Theaview® Sunlight Readable Display Advantage • Theaview® 阳光可视显示优势

01 |

Theaview® technology has good visual effect in both indoor and outdoor.

Theaview®技术在室内、外都具有良好的可视效果

02 |

Theaview® technology has strong universality and can be applied to the 1 inch to 10.1 inch LCD display products

Theaview®技术普适性强，可应用于1寸至10.1寸液晶显示产品

03 |

Customized backlight or interface definition according to customer demand

可根据客户需求定制背光或接口定义

04 |

Provide full view IPS, multi Capacitive Touch Panel, serial port and parallel port total solution

可提供全视角IPS、多点电容触控、串口和并口等整合方案

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Shanghai Top Display Optoelectronics Co., Ltd
上海冠显光电科技有限公司



TFT-LCD Display Outdoor Sunlight Readable

Theaview® Outdoor Sunlight Readable Display Module

Size 尺寸	Resolution 分辨率	Model Number 产品型号	A.A Size(mm) 显示区域(mm)	Outline(mm) 外形尺寸(mm)	Brightness 亮度(nits)	Interface 接口	Remark 备注
1.77"	128RGB*160	TL018QQV07DF	28.032*35.04	34.70*46.70*2.35	500	SPI	MCU
2.0"	176RGB*220	TL020QCV05DF	31.68*39.60	37.68*51.30*2.35	500	MCU	SPI
	240RGB*320	TL020QVV15DF	30.60*40.80	37.68*51.32*2.20	500	MCU	IPS/SPI
2.2"	176RGB*220	TL022QCV05DF	34.85*45.86	41.70*56.16*2.30	500	MCU	SPI
	240RGB*320	TL022QVV01DF	33.84*45.12	40.60*56.60*2.70	500	RGB	MCU/SPI
2.4"	240RGB*320	TL024QVV35DF	36.72*48.96	42.72*60.26*2.55	500	MCU	SPI/RGB
	240RGB*320	TL024QVV22DF	36.72*48.96	42.72*60.26*2.35	500	MCU	IPS/RGB/SPI
2.8"	240RGB*320	TL028QVV27DF	43.20*57.60	50.00*69.20*2.30	500	MCU	MCU/RGB
	240RGB*320	TL028QVV01DF	43.20*57.60	50.00*69.20*2.30	500	RGB	IPS/MCU/SPI
3.5"	320RGB*240	TL035QVH11DF	70.08*52.56	76.90*63.90*3.25	500	RGB	IPS/Landscape
	320RGB*480	TL035HVV29DF	48.96*73.44	55.26*84.69*2.25	500	MCU	RGB/MIPI
	320RGB*480	TL035HVV55DF	48.96*73.44	54.46*82.94*2.55	500	RGB	IPS/MCU/MIPI
	480RGB*640	TL035VGV13DF	53.28*71.04	64.00*85.00*3.00	500	RGB	IPS/MIPI
4.3"	480RGB*272	TL043WQH25DF	95.04*53.86	105.40*67.10*2.95	500	RGB	Landscape
5.0"	800RGB*480	TL050VWH06DF	108.00*64.80	120.70*76.30*3.20	500	RGB	IPS/Landscape
7.0"	800RGB*480	TL070VWH94DF	154.08*85.92	164.90*100.00*5.70	500	RGB	Landscape
7.0"	1024RGB*600	TL070WSH29DF	154.21*85.92	164.90*100.00*3.50	500	RGB	Landscape

Transflective Outdoor Sunlight Readable Display Module

Size 尺寸	Resolution 分辨率	Model Number 产品型号	A.A Size(mm) 显示区域(mm)	Outline(mm) 外形尺寸(mm)	Brightness 亮度(nits)	Interface 接口	Remark 备注
2.0"	240RGB*320	TL020TQVV05	30.60*40.80	36.20*51.80*2.45	200	MCU	IPS
2.6"	320RGB*432	TL026THVV03	39.84*53.78	45.80*62.70*2.30	200	MIPI	IPS

High Brightness Outdoor Sunlight Readable Display Module

Size 尺寸	Resolution 分辨率	Model Number 产品型号	A.A Size(mm) 显示区域(mm)	Outline(mm) 外形尺寸(mm)	Brightness 亮度(nits)	Interface 接口	Remark 备注
1.77"	128RGB*160	TL018QQV09	28.032*35.04	34.70*46.70*2.35	800	SPI	MCU
4.3"	480RGB*272	TL043WQH26	95.04*53.86	105.4*67.1*2.95	800	RGB	IPS/RTP/CTP
5.0"	800RGB*480	TL050VWH06B	108.00*64.80	120.70*76.30*3.10	800	RGB	RTP/CTP
	720RGB*1280	TL050HDV22	62.10*110.40	67.20*120.5*2.30	800	MIPI	IPS/CTP
7.0"	800RGB*480	TL070VWH95	154.08*85.92	164.90*100.00*5.70	800	RGB	RTP/CTP
	1024RGB*600	TL070WSH29B	154.21*85.92	164.90*100.00*3.50	800	RGB	IPS/RTP/CTP
	720RGB*1280	TL070HDV03B	86.94*154.56	90.34*162.95*2.15	800	MIPI	IPS/CTP
6.86"	480RGB*1280	TL068HWWX02	60.22*160.59	66.60*181.00*4.50	800	LVDS	Bar/IPS/MIPI/CTP
7.84"	400RGB*1280	TL078HWWX06	59.40*190.08	67.80*205.78*4.75	900	LVDS	Bar/IPS/MIPI/CTP
9.35"	320RGB*1280	TL094HWWX01	58.08*232.32	65.42*247.96*4.75	1000	MIPI	IPS/CTP
10.4"	1024RGB*100	TL104XWSH01	264.19*25.8	274.92*41.50*4.50	1000	RGB	Bar type
11.0"	1280RGB*120	TL110SWXH02	280.32*27.00	288.92*41.20&7.90	900	RGB	Bar type



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上海冠显光电科技有限公司



HDMI Display Solution HDMI显示方案

Connect Raspberry Pi 连接树莓派

- Raspbian
- Ubuntu/Kali/WIN10 IoT
- RetroPie

Connect To PC 连接电脑

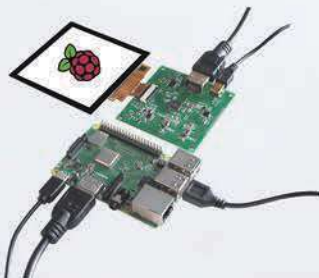
- Windows 10
- Windows 8.1/8
- Windows 7

Touch Function 触摸功能

- Support USB Touch
- Support Multi-Touch

Customized 客制化

- One Board Drivers Two Screens
- Special Drawing
- Brightness ADJ



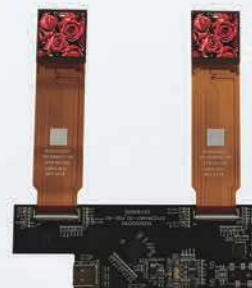
Connect Raspberry Pi 连接树莓派



Connect To PC 连接电脑



Touch Function 触摸功能



Customized 客制化

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Shanghai Top Display Optoelectronics Co., Ltd
上海冠显光电科技有限公司

We could provide more customized products and solutions
based on customer's requirements

我们可以根据客户要求提供更多的定制化产品和方案

HDMI Display Solution List

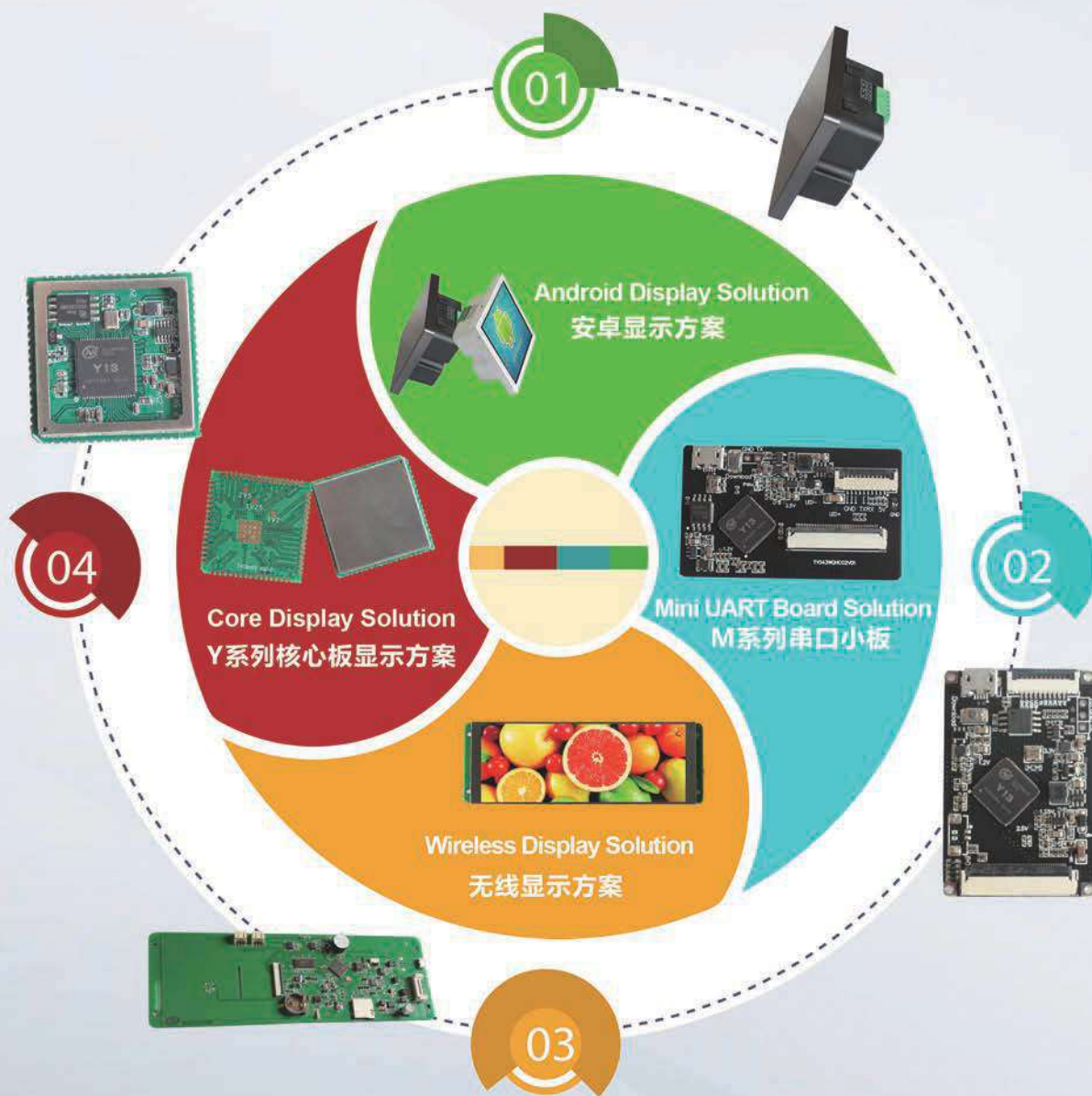
Size 尺寸	Model Name 型号	Resolution 分辨率(H*V)	Brightness 亮度(nits)	Operating Voltage 工作电压(V)	Panel Type 面板类型	Interface 接口形式	Remark 备注	Status 状态
2.1"	TH021WVH11	480*480	350	5	IPS	HDMI	USB touch、CTP	MP
4"	TH040WVH11	480*480	500	5	IPS	HDMI	USB touch、CTP	MP
4"	TH040HDH11	720*720	350	5	IPS	HDMI	USB touch、CTP	MP
5"	TH050WVH11	800*480	500	5	IPS	HDMI	USB touch、CTP	Q1MP
6"	TH060HDH11	720*1440	500	5	IPS	HDMI	USB touch、CTP	MP
6.86"	TH068HWH11	480*1280	500	5	IPS	HDMI	USB touch、CTP	MP
7.84"	TH078HWH11	400*1280	500	5	IPS	HDMI	USB touch、CTP	MP
7"	TH070WVH11	800*480	500	5	IPS	HDMI	USB touch、CTP	Q1MP
7"	TH070WSH11	1024*600	500	5	IPS	HDMI	USB touch、CTP	Q1MP
10.1"	TH101FHH11	1080*1920	300	5	IPS	HDMI	USB touch、CTP	Q1MP
10.1"	TH101WXH11	800*1280	300	5	IPS	HDMI	USB touch、CTP	Q1MP
2.95"	TH029FHH11	1080*1200	350	5	OLED	HDMI		MP
5.5"	TH055FHH11	1080*1920	350	5	OLED	HDMI	USB touch、CTP	MP
11"	TH110FQH11	1728*2368	350	5	OLED	HDMI	USB touch、CTP	Q2WS ; Q2MP
0.49"	TH005FHH11	1080*1920	3000	5	Si-OLED	HDMI	Micro-display	Q3WS ; Q4MP
0.72"	TH007FHH11	1920*1200	2500	5	Si-OLED	HDMI	Micro-display	Q3WS ; Q4MP
1.03"	TH010SQH11	2560*2560	2500	5	Si-OLED	Type C	Micro-display	Q1CS ; Q1MP
1.40"	TH014SQH11	2560*2560	2500	5	Si-OLED	Type C	Micro-display	Q3WS ; Q4MP



Shanghai Top Display Optoelectronics Co., Ltd
上海冠显光电科技有限公司



IoT Display Solution
物联网显示方案



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Shanghai Top Display Optoelectronics Co., Ltd
上海冠显光电科技有限公司



IoT Product List

Mini UART Solution M系列串口小板

- Up to FHD Resolution
- Support UART TTL
- TGUS GUI Design Tool
- CTP/RTP is Optional



Core Display Solution Y系列核心板显示方案

- Based on ARM 9 with 400HZ
- Up to FHD Resolution
- RGB/MIPI/LVDS
- TGUS GUI Design Tool



Wireless Display Solution 无线显示方案

- Support TTL/RS232/RS485
- Up to FHD Resolution
- WIFI or 4G is Optional
- TGUS GUI Design Tool



Android Display Solution 安卓显示方案

- Support RS485/CAN or WIFI
- 4" 720*720 IPS Display
- Open Source Code
- Support APP



IoT Product List

Product Serial 产品系列		Support Resolution 最大支持分辨率	Interface 通讯接口	Storage 存储空间	Support Display Resolution 支持屏幕/分辨率	Remark 备注
M Serial	M1	1280*720	UART TTL	16M Bytes	2.1" 480*480/3.2" 320*820/ 3.5" 320*480/5" 480*854	1. TGUS GUI Design Tool 2. Support FHD Video Play 3. RTP/CTP is Optional 4. Support SD NAND or TF Card to expand RAM
	M1L	800*480	UART TTL	8M Bytes		
	M3	1024*600	UART TTL	16M Bytes	3.5" 320*240/4.3" 480*272/ 4.3" 800*480	
	M3L	800*480	UART TTL	8M Bytes		
X Serial	X2	800*480	RGB	8M Bytes	240*240/320*240/480*272	
	X3	1280*800	RGB	16M Bytes	320*480/800*480/1024*600	
	X5	1920*1080	RGB/MIPI/LVDS	16M Bytes	1024*600/1280*800/1920*1080	



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