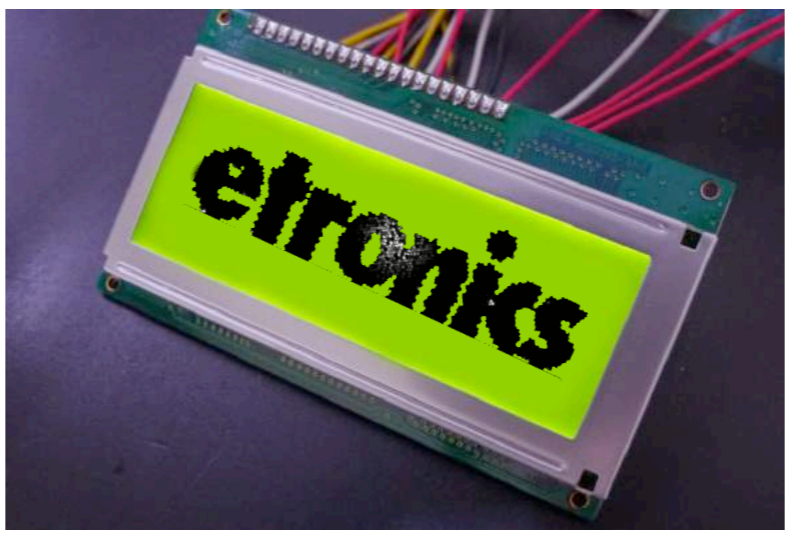


TFT



Industrial Display

• Office Automation



• Medical



• GPS / Navigation System



• IP Phone



• White Goods



• Industry



• Automotive



• Smart Home & Domotique



• Avionic



• Wearable



Main Customers



Polycom™



Medtronic

B/S/H/



Lexmark™



Canon Honeywell

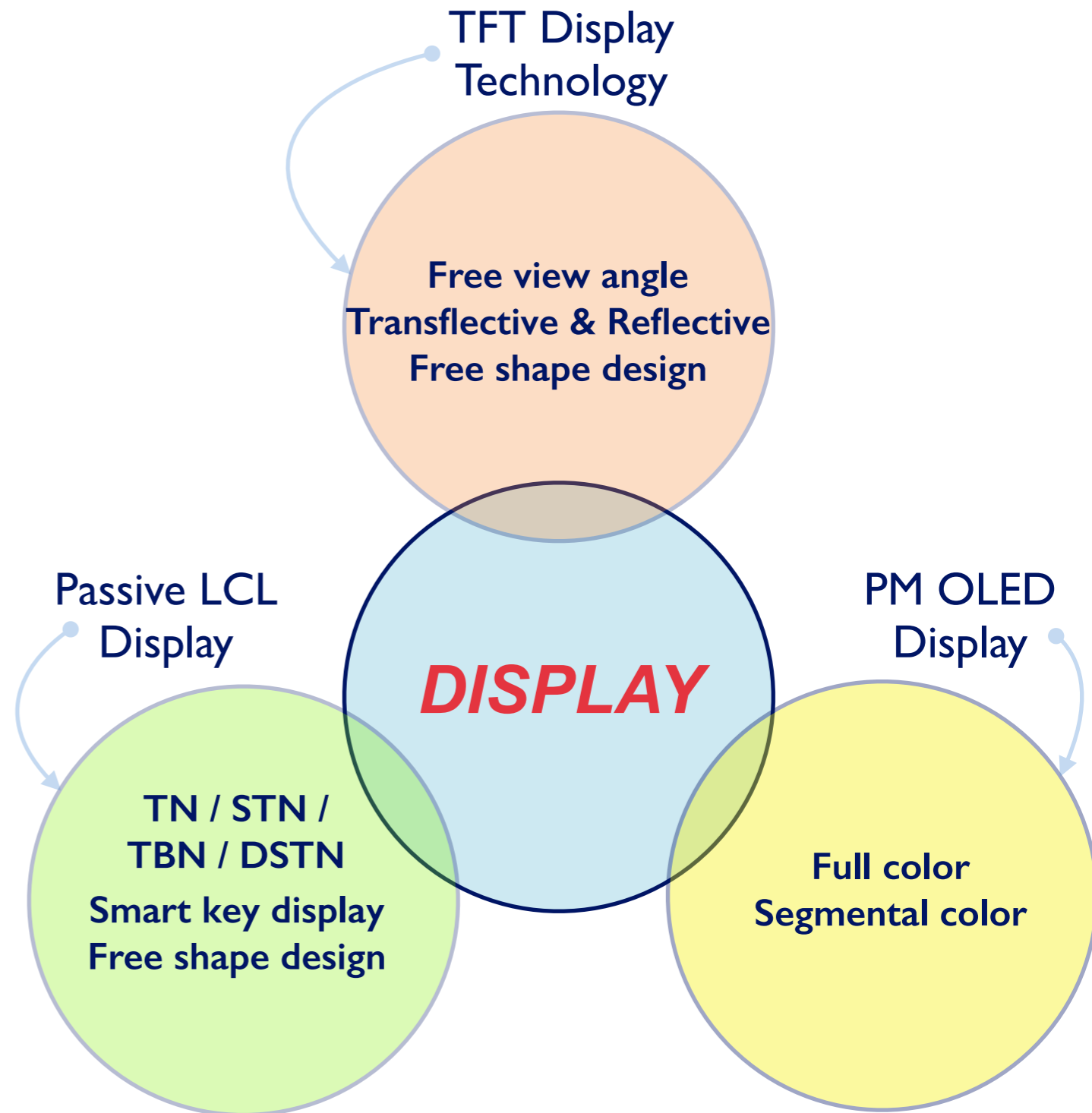
Production Capacity

FTY	Display Technology	Mother glass size	Capacity
LCD	TN / STN / FSTN	370mm x 470mm 355mm x 406mm	14,3 Mil.pcs/M by 1,8"
H2	aSi-TFT (2,5G)	370mm x 470mm NEG: alkali-free glass	80K sets/M 6.5 Mil.pcs/M by 2.0"
Huizhou	LTPS & aSi (4,5G) (2016 Q2 MP)	730mm x 920mm	30K sets/ M AMOLED 60K sets/ M TFT LCD
OLED	PM-OLED	200mm x 200mm 370mm x 400mm 370mm x 470mm	3.15 Mil.pcs/ M by 1.0"
CTP	Normal Structure	Glass + Film & Glass	6.8 Mil/M
	OGS	CELL Process	4.0 Mil/M
		SHEET Process	2.5 Mil/M
MDS	module	For Smart Phone	8.5 Mil/M
SMD	module	For Industry	10 Mil/M
ADD	Panel & Module	For Automotive	5.3 Mil/M
TDD	Module & CTP	For Lamination	5.0 Mil/M

What is our strong point?

1. Full product range
 - ✓ TFT
 - ✓ CTP
 - ✓ Camera
 - ✓ Backlight
 - ✓ FPC & PCB
 - ✓ STN
 - ✓ OLED
2. One-stop solution (TP + display Full lamination)
3. 2.5G TFT line with full customisation, small MOQ, cheap NRE and **long term supply.**
4. 4.5G TFT & AMOLED line, MP in 2016 Q2, supporting 5 to 10" TFT LCD for industrial & medical application

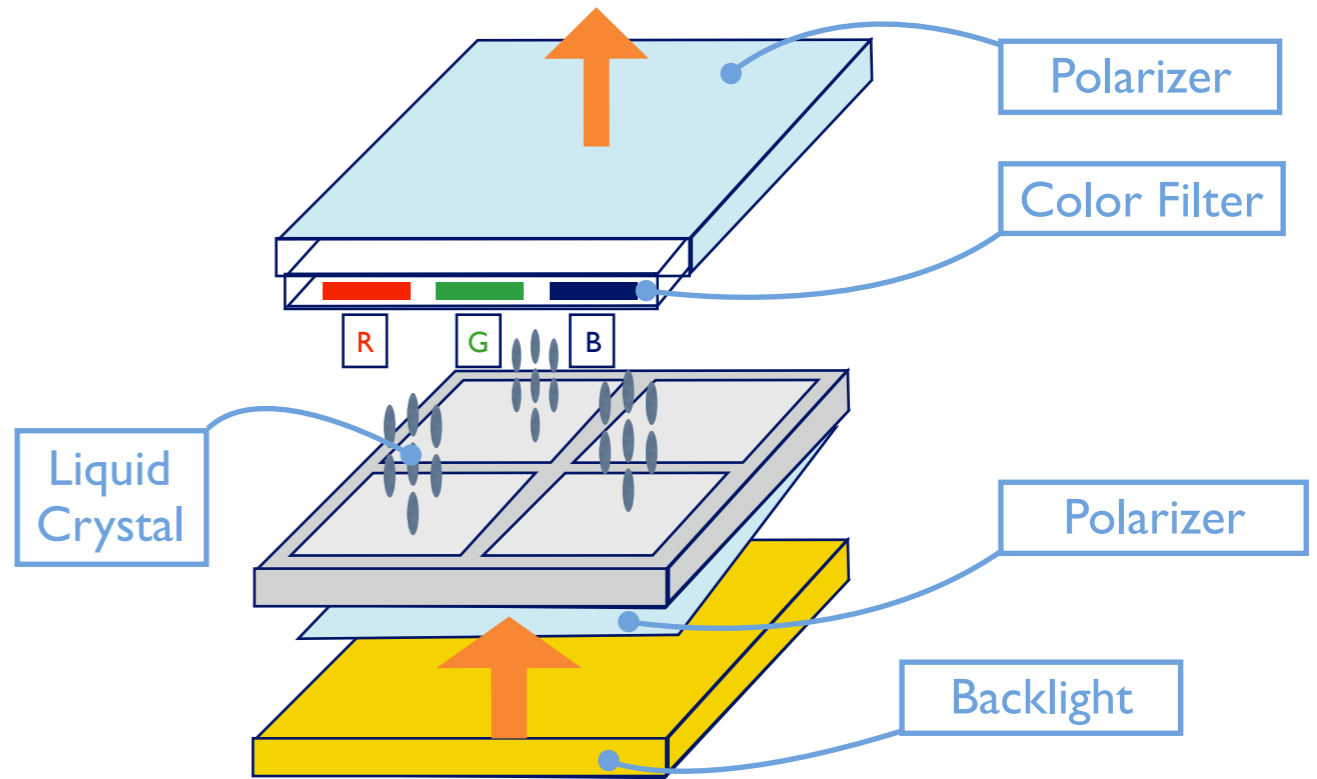
Display Technology Solution



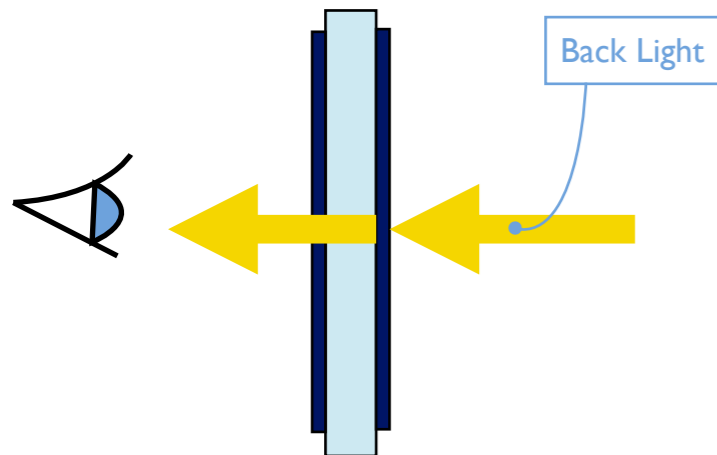
- Something different -Transflective TFT for outdoor application

Transmissive mode (By CS 2000)				
Item	Min	Typ	Max	Unit
Contrast Ratio	150	200	-	
NTSC Ratio		50	-	%
Luminance	150	200	-	cd/m2

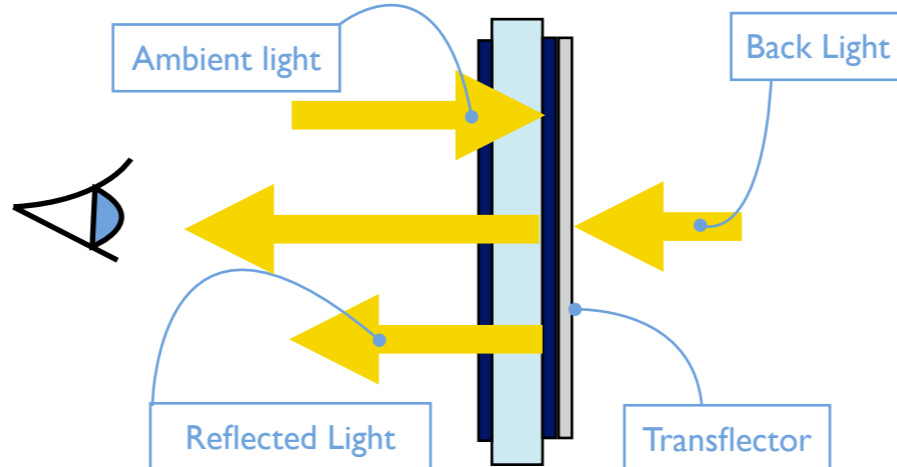
Reflective mode (By ConosCope)				
Item	Min	Typ	Max	Unit
Contrast Ratio	6	8	-	
Reflectance	6	9,2	-	%



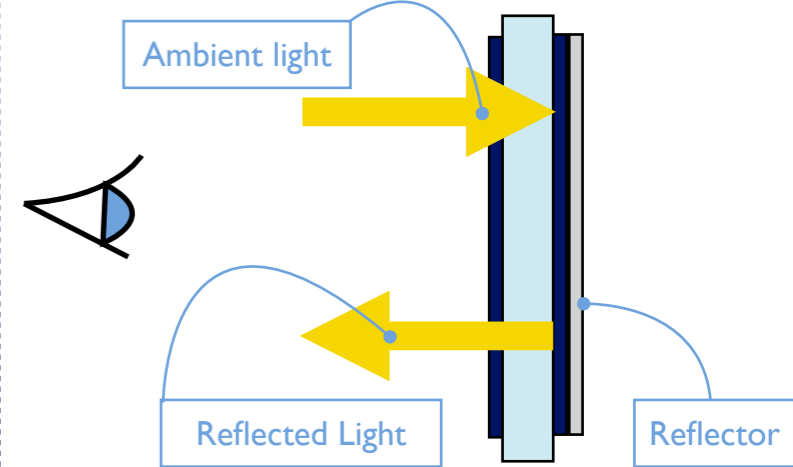
Transmissive LCD



Transflective LCD



Reflective LCD



TFT Technology capacity 1

N°	Item	Technology Capacity	
1	Glass thickness (single)	0.2mm, 0.25mm, 0.3mm, 0.4mm, 0.5mm, 0.7mm	
2	Panel size and accuracy	< 140mm	PPI < 330
		140mm - 279,5mm	PPI < 330
3	Operating temperature	Normal level	-20°C to +70°C
		Automotive Level	-30°C to +85°C
4	Storage temperature	Normal level	-30°C to +80°C
		Automotive Level	-40°C to +95°C
5	Display Mode	Transmissive, Transflective, Reflective, Normal white (TN), Normal black (TWVA+)	
6	Contrast Ratio	Type	TWVA+: 800:1, TN:800:1, TF:200:1, RF:20:1
		Min	TWVA+: 500:1, TN:400:1, TF:150:1, RF:10:1

TFT Technology capacity 2

N	Item	Technology Capacity		Notes
7	NTSC	30 - 75%		CIE 1931
8	Respond time	20ms (Typ.) 40ms (Max)	Tr+Tf (TN Mode)	
		25ms (Typ.) 50ms (Max)	Tr+Tf (TWVA+ Mode)	
9	Reflective ratio	4,5% - 8,0% (Typ.)	Transflective	DMS-803
		20% - 25% (Typ)	Reflective	DMS-803
10	Border	≥1.0mm (Depend on the Panel size and Resolution)		
11	Transmittance ratio	4 - 7% (Typ.)	With polarizer (Transmissive)	
		1,5% - 2,5% (Typ.)	With polarizer (Transflective)	
12	View angle (U/D/L/R)	70/60/75/75 (Typ.)	CR≥10:1, TN mode with wide viewing polarizer; 12 O'clock	
		80/80/80/80 (Typ.)	CR≥10:1, TWVA+ mode	



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