

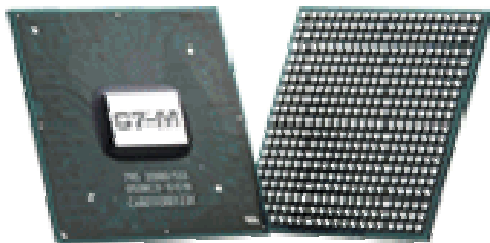


威盛GMB策略聯盟



液晶屏幕的白牌版图

GMB Partner of LCD



群创光电 陈汉昌经理
hans.chen@innolux.com

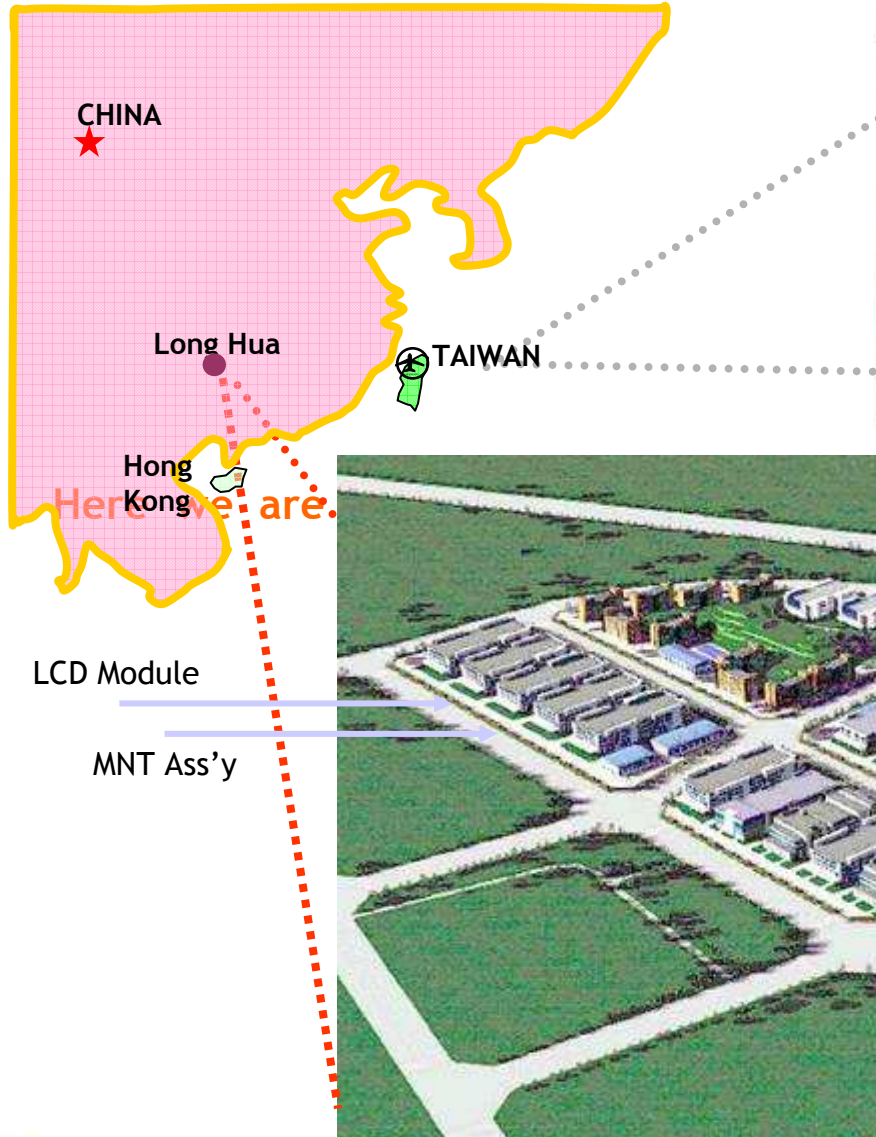


2009/3/17



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Where We Are

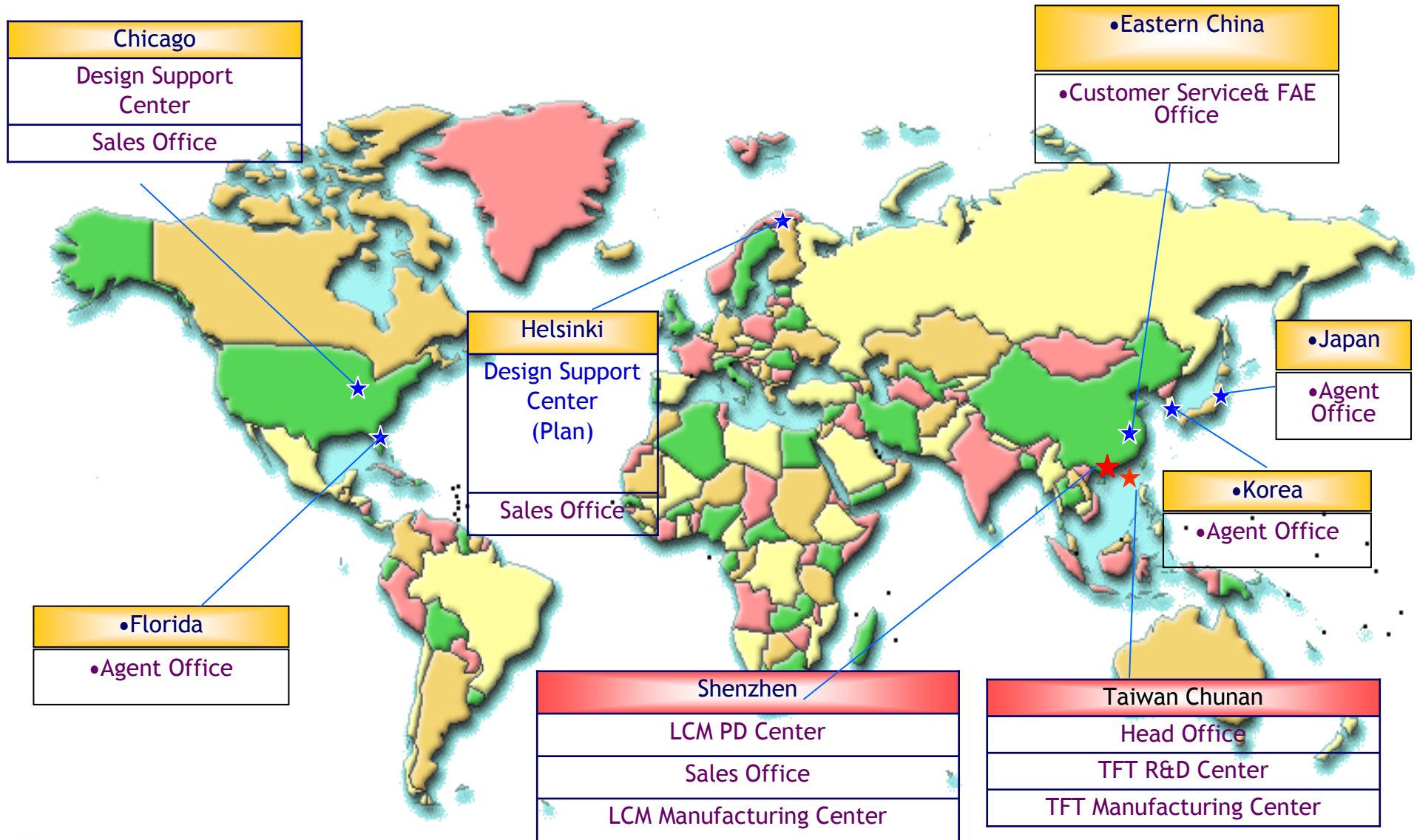


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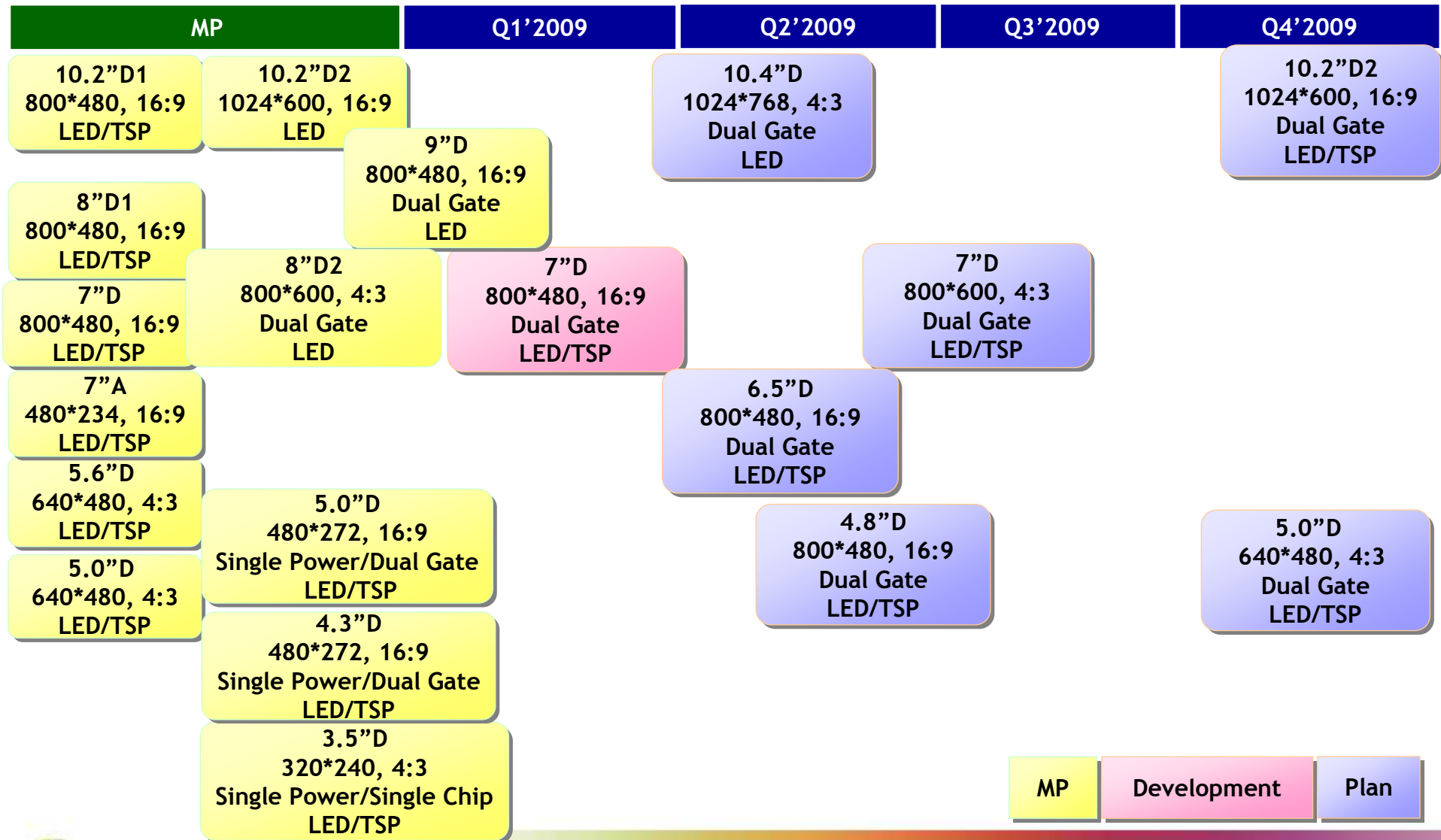


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World-wide Branch Office



Middle Size Product Roadmap

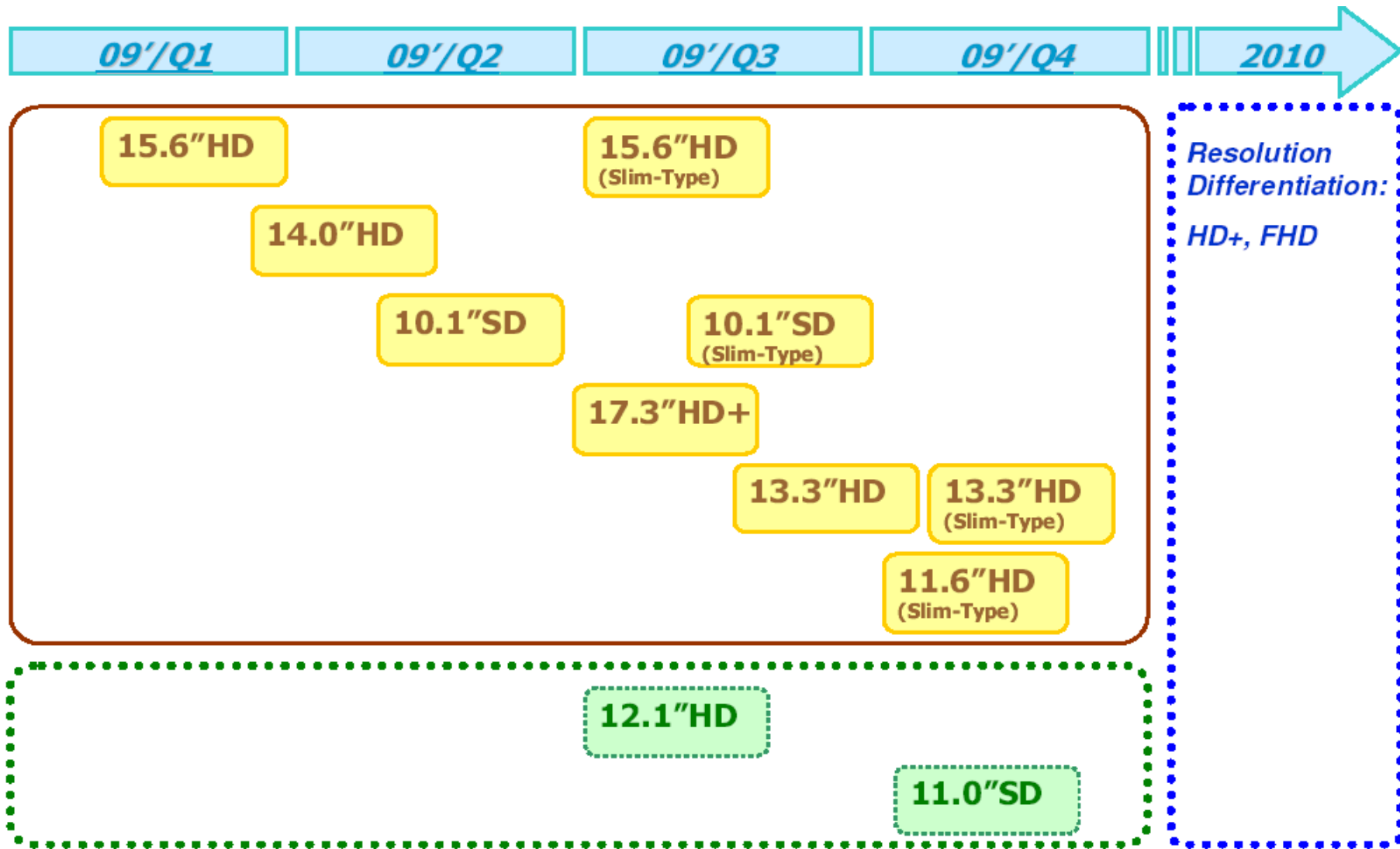


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NB Product Roadmap

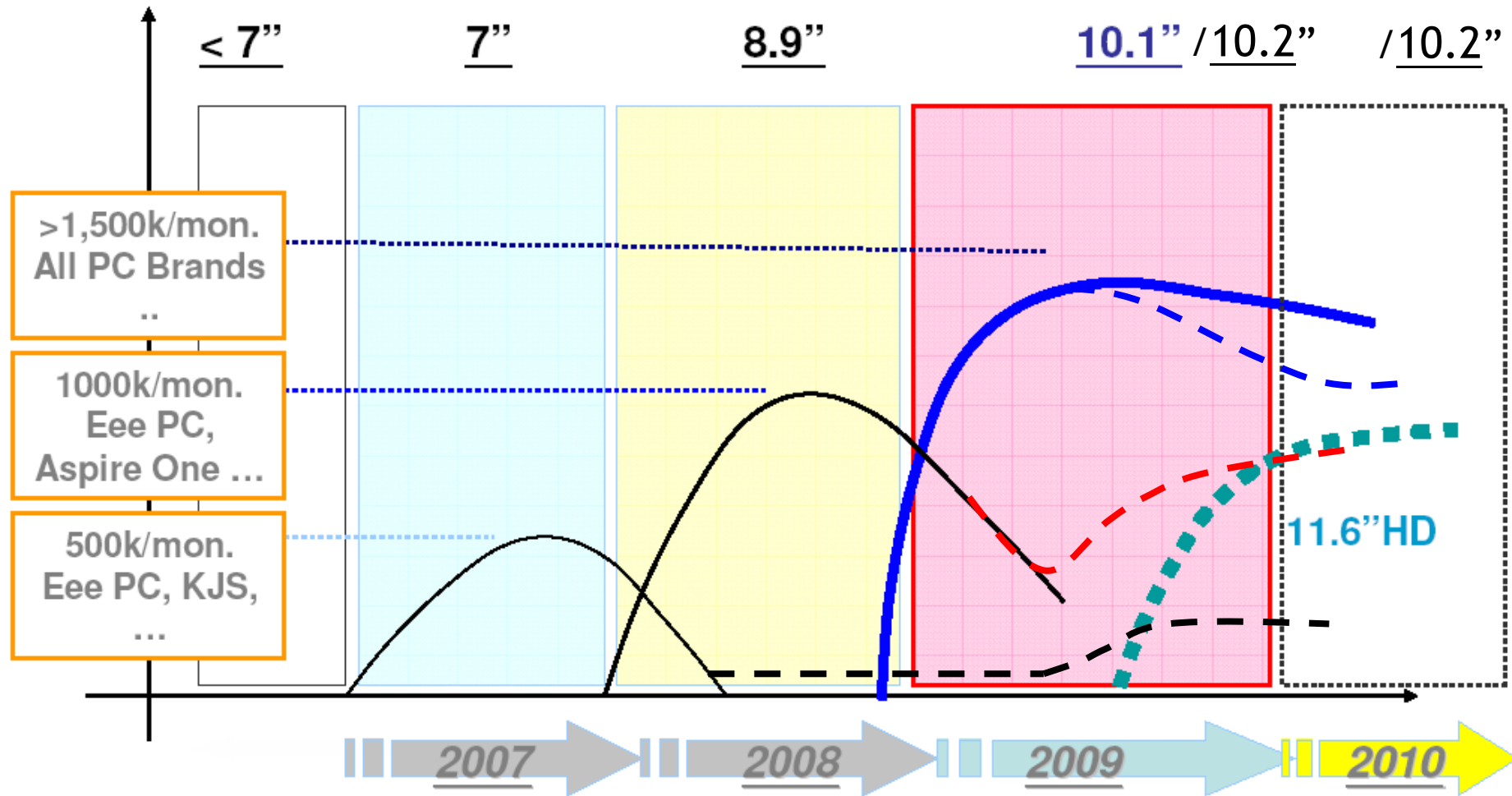


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Mini NB/Net-Book Size Trend

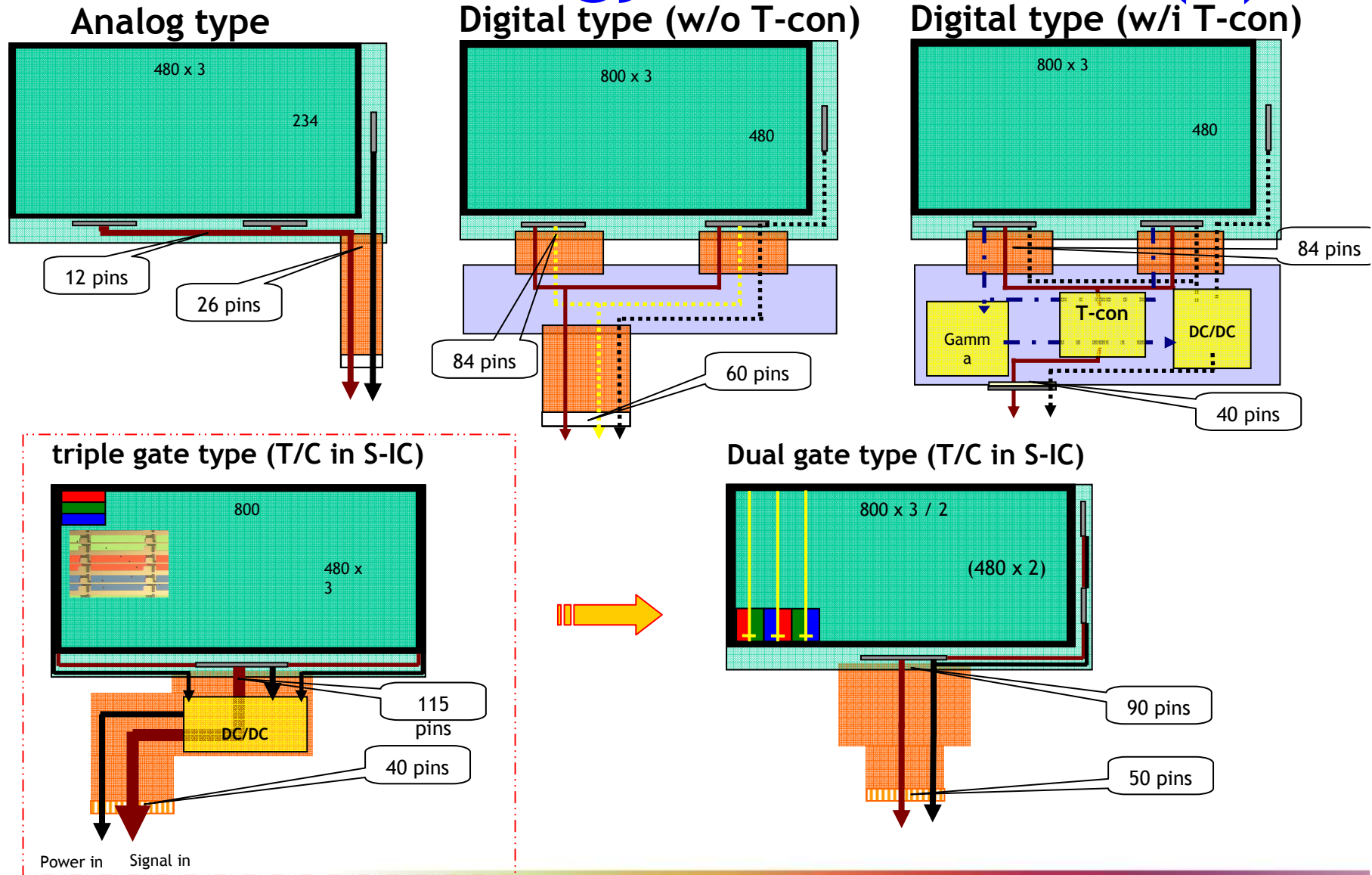


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LCD Technology for Net-Book(1)

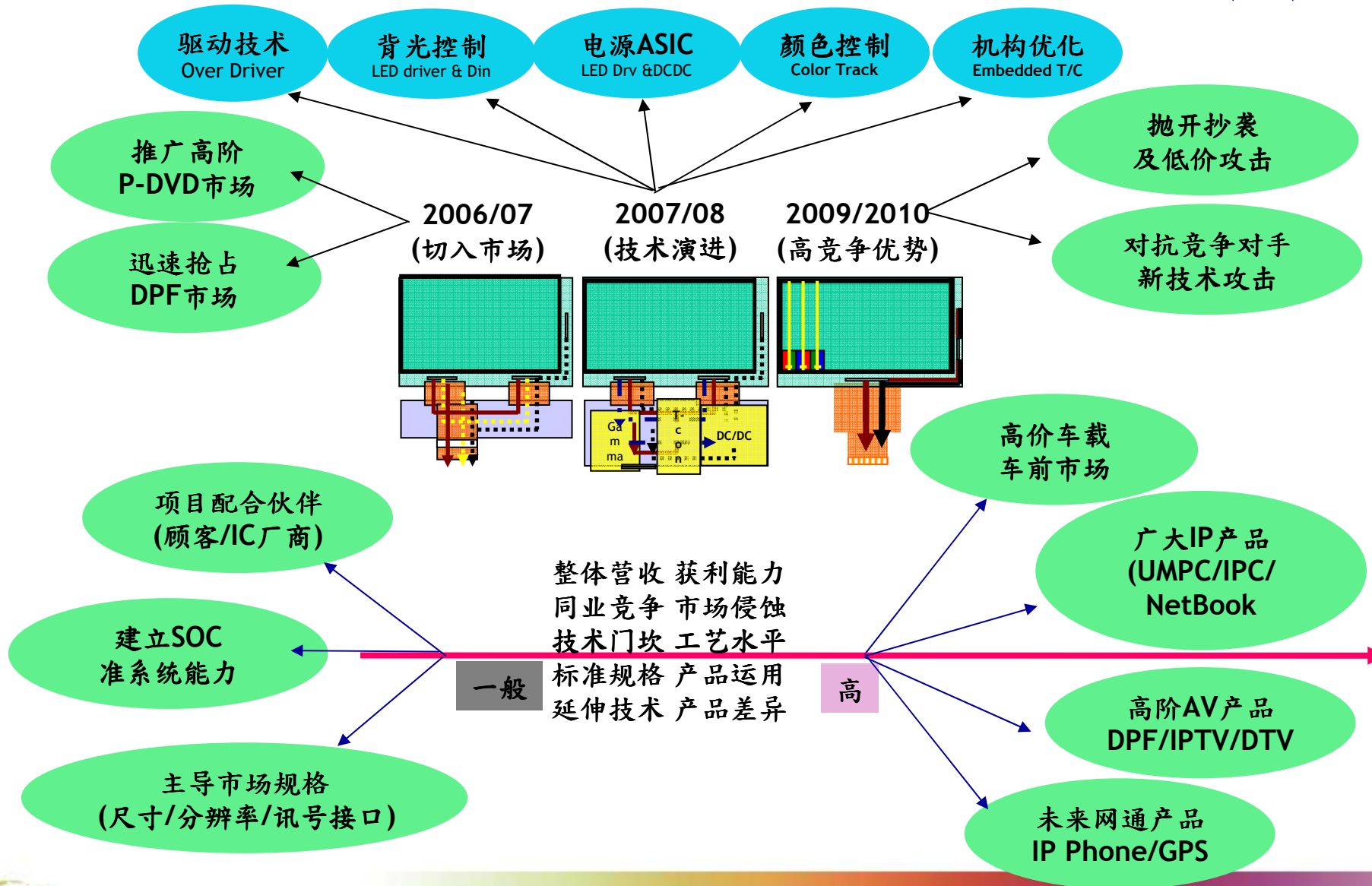


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LCD Technology for Net-Book(2)



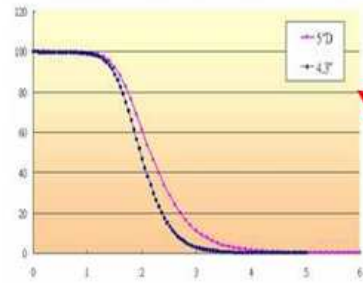
威盛GMB策略聯盟



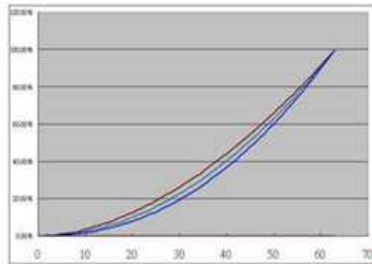
INNOLUX
 INNOLUX DISPLAY CORP.

LCD Technology for Net-Book(3)

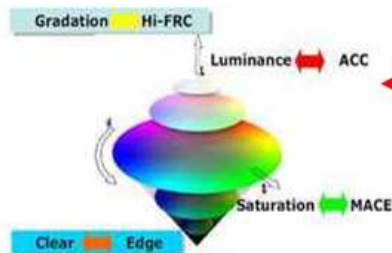
光電系統整合突出畫面風格特色：



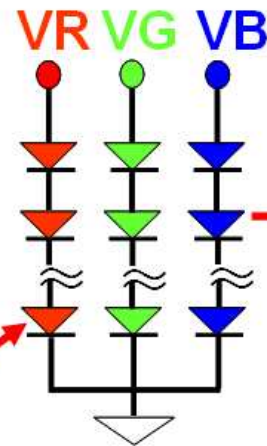
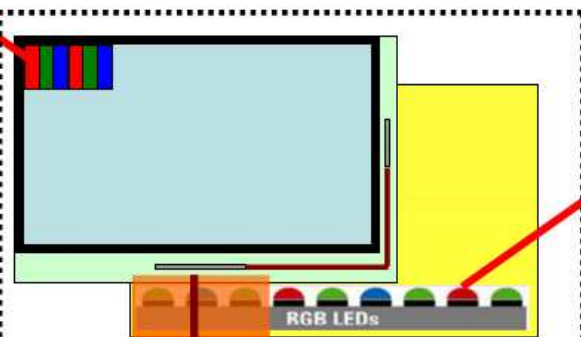
液晶T-V Curve



Gamma Curve

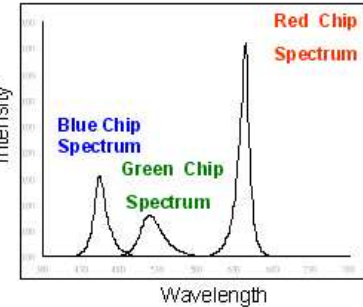


H.S.L. 色彩優化



LED電流驅動

整合結果



LED螢光粉頻譜分布



整合內容：

1. CF材料選擇
2. LED螢光粉配比
3. RGB LED電流配比
4. 實體Gamma電路
5. 影像分析處理模塊

1. 高色飽和度
2. 高對比度
3. 更省電
- ...

軟體寄存器調整



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LCD Technology for Net-Book(4)

影像強化的處理效果範例:



Improve Skin Color

Adjust Single Saturation

Adjust Color Temperature



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LCD Technology for Net-Book(5)

省電模式運用範例:



視覺效果接近



↓ LED power 降 25%

↑ Gamma 2.2→2.4



對比升15%



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LCD Technology for Net-Book(6)

光電系統整合實驗平臺：



CA210 色彩分析儀



C-7M 平台

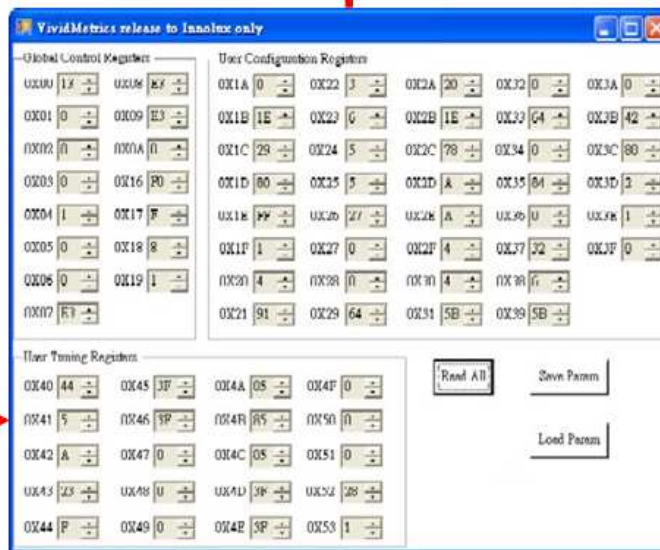
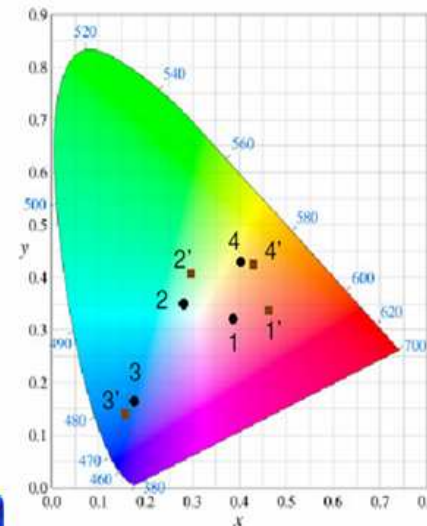
LED 背光亮度選擇

T-CON 設定選擇

IPC+ Color Engine T-CON 系統

No.	x	y	Saturation	Improvement
1	0.3942	0.3211	88	
2	0.2851	0.3516	58	
3	0.1756	0.155	103	
4	0.4036	0.4236	221	
1'	0.4618	0.3356	130	1.48
2'	0.2985	0.4063	85	1.47
3'	0.1658	0.14	151	1.47
4'	0.4124	0.4203	240	1.09

結果輸出



寄存器設定



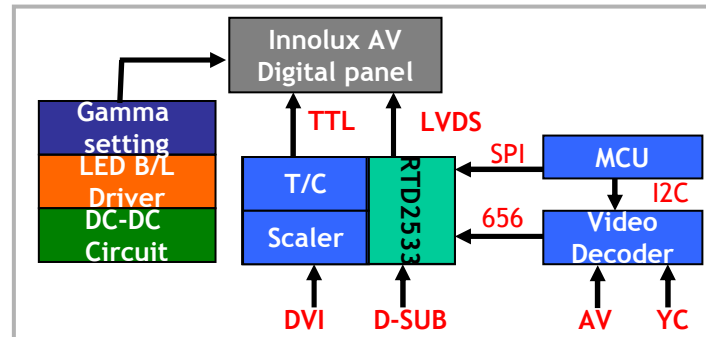
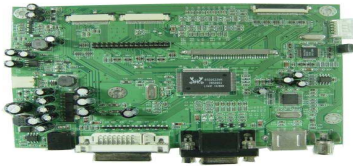
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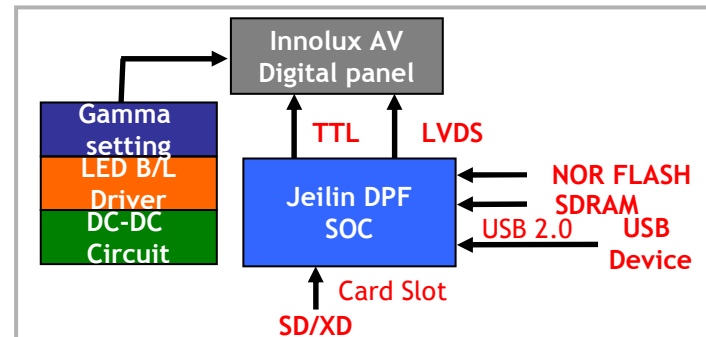
Technical Support

◆ Scaler Board



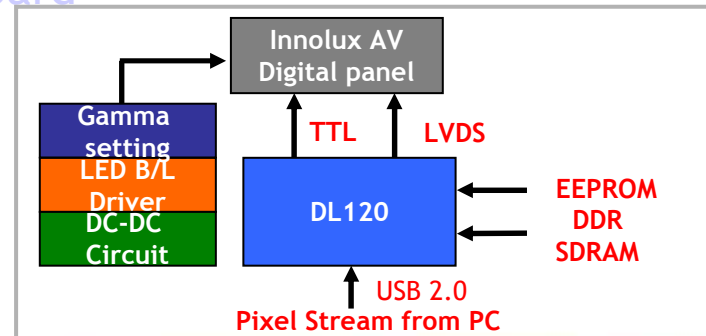
- Cooperation Vendor: Realtek (TW)
- Support Panel: 4.3D, 5D, 5.6D, 7D, 8D1, 8D2, 9D, 10.2D1, 10.2D2
- Application Area: Car TV, IPC, Portable DVD, Innolux product demo, Testing board

◆ DPF Board



- Cooperation Vendor: JEILIN Technology (TW)
- Support Panel: 3.5D, 4.3D, 5D, 5.6D, 7D, 8D1, 8D2, 9D, 10.2D1, 10.2D2
- Application Area: DPF, Innolux product demo, Testing board

◆ USB Monitor Board



- Cooperation Vendor: DisplayLink (UK)
- Support Panel: 5D, 5.6D, 7D, 8D1, 8D2, 9D, 10.2D1, 10.2D2...
- Application Area: Additional monitor, Innolux product demo, Testing board



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Concept & Demo



InnoLux

Digital Picture Frame

FOXCONNDesign



InnoLux

Digital Picture Frame

FOXCONNDesign



InnoLux

Digital Picture Frame

FOXCONNDesign



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Thanks !



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