

gray scale  
 (gamma correction)  
 가 gamma  
 reference voltage .

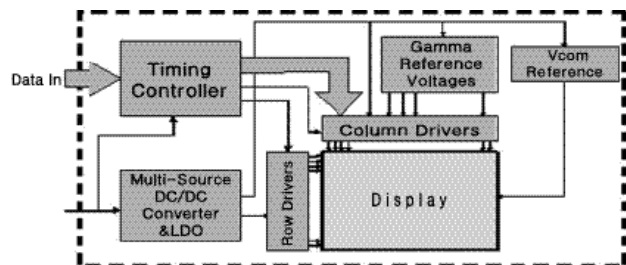
[ 2] 가

가

TFT-LCD system  
 [ 1] Computer graphic  
 controller digital data가LCD  
 timing control data(TCON) ASIC  
 TFT-LCD digital  
 data가 analog analog  
 digital A-D  
 LCD timing control ASIC  
 . Timing control ASIC  
 digital data source(column)  
 IC가 가  
 digital sour-  
 ce(column) gate(row) driver IC  
 timing control

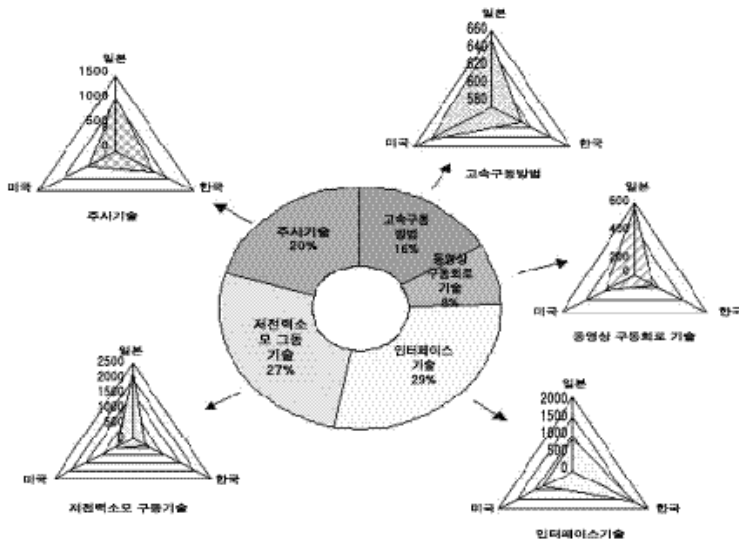
[ 3]

SHARP가 90  
 가  
 CANON, SANYO,  
 MATSUSHITA, TOSHIBA, HITACHI



[ 1] TFT-LCD system

[ 2 ] 가



[ 4 ]

( )

가

( )

가

17

TFT-LCD

, 40

SAMSUNG ELECTRONICS가 7

TFT-LCD

CRT

가

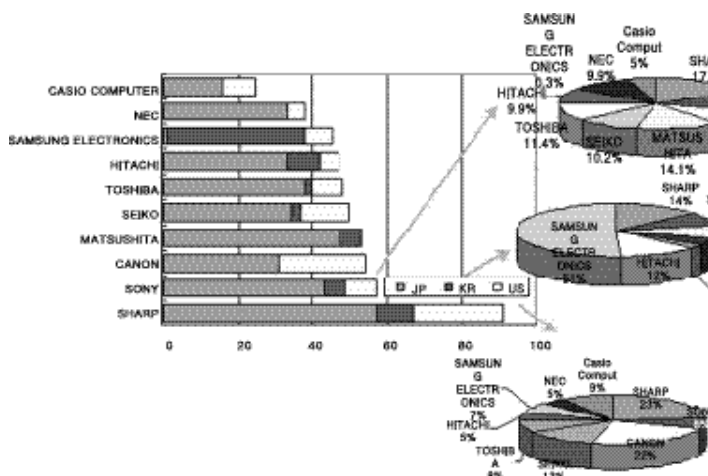
가

TV

TFT-LCD

(switching

) , LCD



TFT-LCD

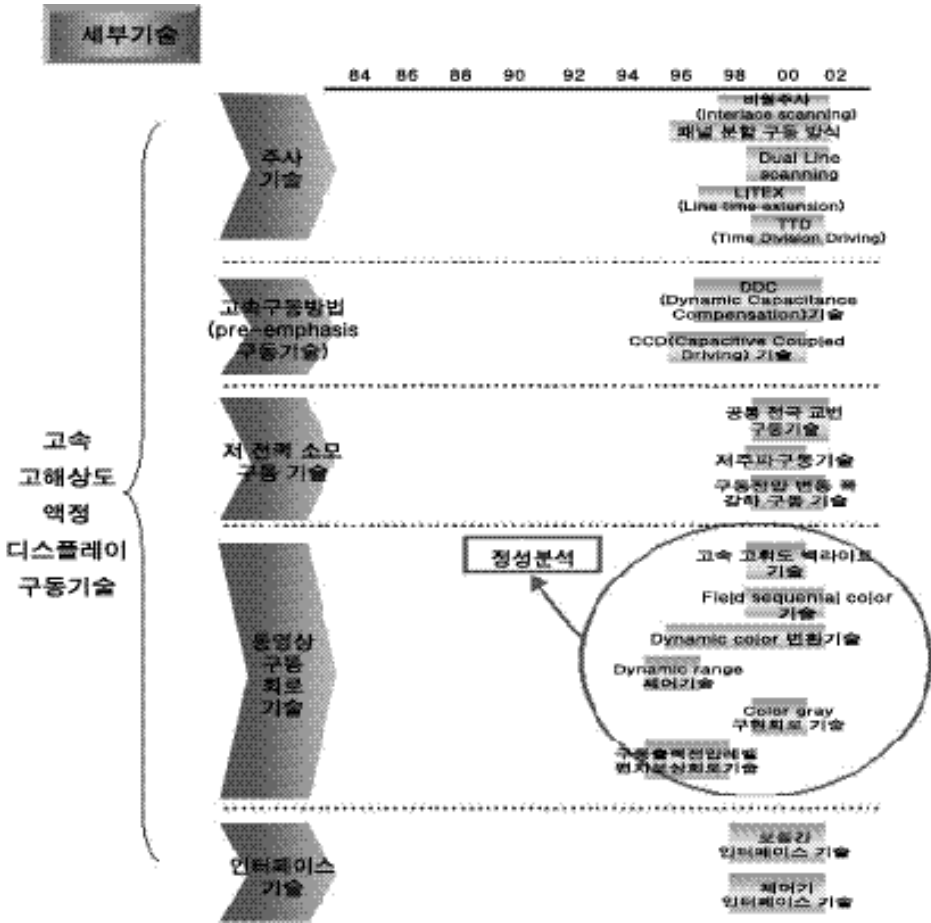
가

[ 3 ]

RC-delay가

가

[ 4 ]



가	TFT	가	HDTV	TFT-LCD
가	가	가		
TFT-LCD switching error			,	,
TFT-LCD	가		,	
가 가		가,	,	
TFT-LCD switching error가		가,	,	
	가	가	scale	dynamic range