

## APPENDIX D

### : BLOCK DIAGRAM

## B17SM Block Description

Model “B17SM” use a new concept display panel.

The panel “LTM170EI-A01” manufactured by SAMSUNG Electronics Co.,Ltd. provides total display functions just like an integrated circuit.

It includes an inverter board, LSP ( LCD signal process ) board, source board, 4 lamps and LCD panel as below “Block Diagram”

### Block Diagram

SAMSUNG SOP Block  
(System – ON – Panel)  
Type No. : LTM170EI-A01

17.0" SXGA Panel

To 4 Lamps

Source board

(LCD Signal Process board)

LSP board

Flash Memory

Scaler (PW115)

ADC

EEPROM

IMRI Co.,Ltd  
Design Block

Analog Signal  
(RGB, Hsync, Vsync)

Function Key

Power Key

Adapter

Anam Instruments Co.,Ltd  
Model No.:AP04211-UV  
12VDC, 3.5A output

## Technical Information of “LTM170EI-A01”

Items	Specification	Unit	Note
Display area	337.92(H) x 270.336(V)	mm	17.0 inch diagonal
Driver element	a-Si TFT active matrix		
Display colors	16.2M (true)	colors	6-bit FRC
Number of pixels	1280x1024	pixel	
Pixel arrangement	RGB vertical stripe		
Pixel pitch	0.264(H) x 0.264(W)	mm	
Display mode	Normally White		
Surface treatment	Haze 25% , Hard-coating (3H)		
Backlight	4 Lamps		