

Version : 0.1

PM070WL3

Preliminary

### TECHNICAL SPECIFICATION

### MODEL NO. : PM070WL3

The content of this information is subject to be changed without notice. Please contact PVI or its agent for further information.

Customer's Confirmation

Customer

Date

By

PVI's Confirmation

#### FOR MORE INFORMATION: AZ DISPLAYS, INC.

75 COLUMBIA, ALISO VIEJO, CA, 92656 Http://www.AZDISPLAYS.com

Dep	FAE	Panel Design	Electronic Design	Mechanical Design	Product Verification	Prepared by
SIGN	副豐發	All And	金事神	中学中	AN AZ	蒙公報

### TECHNICAL SPECIFICATION <u>CONTENTS</u>

#### ITEM NO. PAGE Cover \_ 1 2 Contents \_ Application 3 1 2 Features 3 **Mechanical Specifications** 3 3 4 Mechanical Drawing of TFT-LCD module 4 5 Input Terminals 6 6 **Absolute Maximum Ratings** 8 7 **Electrical Characteristics** 8 8 **Pixel Arrangement** 10 9 **Display Color and Gray Scale Reference** 11 10 **Block Diagram** 12 11 Interface Timing 13 Power On Sequence 12 16 13 **Optical Characteristics** 16 14 Handling Cautions 20 15 **Reliability Test** 21 22 16 Packing Diagram **Revision History** 23

The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:2

#### **1.Application**

This data sheet applies to a color TFT LCD module, PM070WL3.

The application of panel are OA product, portable DVD, car TV(must use Analog to Digital driving board), which requires high quality flat panel display.

Prime View assume no responsibility for any damage resulting from the use of the device which dose not comply with the instructions and the precautions in these specification sheet.

#### 2. Features

- . Wide VGA (800\*480 pixels) resolution
- . Amorphous silicon TFT LCD panel with LED back-light unit
- . Pixel in stripe configuration
- . Thin and light weight
- . Display Colors : 262,144 colors
- . 3.3V LVDS interface standard: THC63LVDF64A as receiver
- . +3.3V DC supply voltage for TFT LCD panel driving
- . Wide viewing angle

#### **3.Mechanical Specifications**

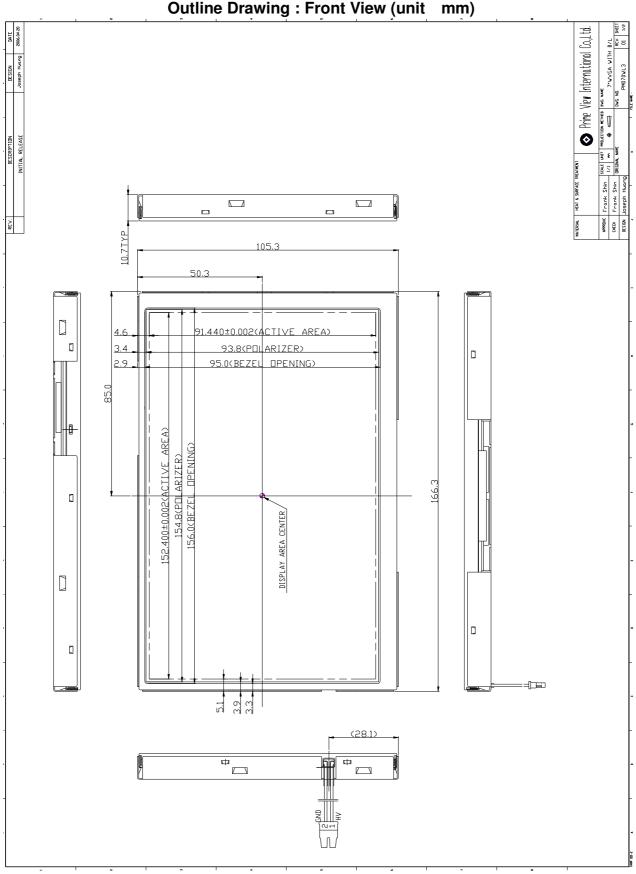
Parameter	Specifications	Unit
Screen Size	7.0(diagonal)	inch
Display Format	800×(R, G, B)×480	dot
Display Colors	262,144	
Active Area	152.4(H)×91.44(V)	mm
Pixel Pitch	0.1905(H)×0.1905(V)	mm
Pixel Configuration	Stripe	
Outline Dimension	166.3(W)×105.3 (H)×10.7 (typ.) (D)	mm
Weight	TBD	g
LED Back-light	33-LED	
Surface treatment	Anti-glare and Wide View Film	
Display mode	Normally white	
Gray scale inversion direction	6 o'clock	
Gray scale inversion direction	[ ref to Page 17 viewing angle ]	

The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:3



PM070WL3

#### 4.Mechanical Drawing of TFT-LCD Module Outline Drawing : Front View (unit



The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:4

# **O**PRIME VIEW

HEET 2/2 REV. Prine View International Co., Ltd. 7"WVGA WITH B/L  $\odot$ PM070WL: ¥ 100.0± 40.1 HEAT & SURFACE TREATMENT R< Frank Shin rank 309990 DESIGN 60.0 51.9 CCIM - 23 N NDTES 1.GENERAL TDLERANCE:±0.3 @B/L CONNECTOR: JST BHSR-02VS-1 @LVDS CONNECTOR:DF19K-20P-1H(56)(HRS) 166.3 .12.0  $\bigcirc$ 85.0 48.3 2.5 105.3

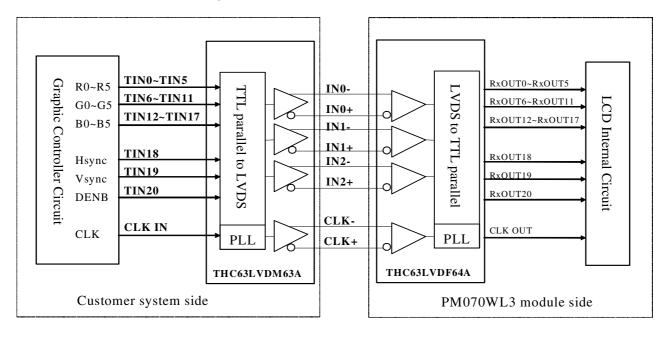
#### Outline Drawing : Rear View (unit mm)

#### 5.Input Terminals

5-1) TFT-LCD Panel Driving Connector type: DF19K-20P-1H (56)(HRS)

Pin No.	Symbol	Function	Remark
1	Vcc	+3.3V Power Supply	
2	Vcc	+3.3V Power Supply	
3	GND	Ground	
4	GND	Ground	
5	INO-	LVDS receiver signal channel 0	
6	INO+	LVDS receiver signal channel 0	
7	GND	Ground	
8	IN1-	LVDS receiver signal channel 1	
9	IN1+	LVDS receiver signal channel 1	
10	GND	Ground	
11	IN2-	LVDS receiver signal channel 2	
12	IN2+	LVDS receiver signal channel 2	
13	GND	Ground	
14	CLK-	LVDS receiver signal clock	
15	CLK+	LVDS receiver signal clock	
16	GND	Ground	
17	NC	No connection	
18	NC	No connection	
19	GND	Ground	
20	GND	Ground	

LVDS Interface Block Diagram



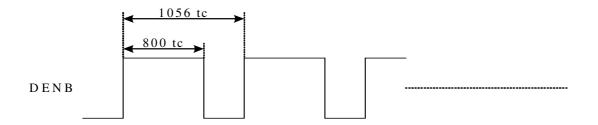
The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:6

Recommended Transmitter (THC63LVDM63A Thine) to PM070WL3 interface Assignment:

Input terminal of THC63LVDM63A		Gr	aphic controller output signal	Output signal symbol	To PM070WL3 interface terminal (Symbol)
Symbol	No.	Symbol	Function		
TIN0	44	R0	Red pixel data (LSB)	7	
TIN1	45	R1	Red pixel data		
TIN2	47	R2	Red pixel data	Tout0-	— No.5 : IN0-
TIN3	48	R3	Red pixel data		
TIN4	1	R4	Red pixel data	Tout0+	—No.6 : IN0+
TIN5	3	R5	Red pixel data(MSB)		
TIN6	4	G0	Green pixel data (LSB)	ען ו	
TIN7	6	G1	Green pixel data	7	
TIN8	7	G2	Green pixel data		
TIN9	9	G3	Green pixel data	Tout1	— No.8 : IN1-
TIN10	10	G4	Green pixel data		
TIN11	12	G5	Green pixel data(MSB)	Tout1+	—No.9 : IN1+
TIN12	13	B0	Blue pixel data(LSB)		
TIN13	15	B1	Blue pixel data	<u>ا</u>	
TIN14	16	B2	Blue pixel data	\ \	
TIN15	18	B3	Blue pixel data		
TIN16	19	B4	Blue pixel data	Tout2-	<sup>—</sup> No.11 : IN2-
TIN17	20	B5	Blue pixel data(MSB)		
TIN18	22	Hsync	Horizontal Synchronous Signal	Tout2+	— N0.12 : IN2+
TIN19	23	Vsync	Vertical Synchronous Signal		
TIN20	25	DENB	Compound Synchronization signal	ノ	
CLK in	26	CLK	Data sampling clock	TCLK out-	No.14 : CLK -
				TCLK out+	No.15 : CLK+

DENB input signal.

If customer wanted to off the DENB mode , you must keep the DENB always High or Low.



(tc: the period of sampling clock)

The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:7

# PRIME VIEW

#### 6.Absolute Maximum Ratings:

				GND=0	V, Ta=25℃
Parameters	Symbol	MIN.	MAX.	Unit	Remark
Supply Voltage	V <sub>CC</sub>	-0.3	+4.0	V	
Input Signals Voltage	V <sub>IN</sub>	-0.3	V <sub>CC</sub> +0.3	V	Note 6-1
Backlight Driving Frequency	$F_{L}$	0	100	KHz	

Note 6-1: LVDS signal.

#### **7.Electrical Characteristics**

7-1) Recommended Operating Conditio		GND =	0V,Ta = $25^{\circ}C$			
Item	Symbol	Min.	Тур.	Max.	Unit	Remark
Supply Voltage	V <sub>CC</sub>	3.0	3.3	3.6	V	
Current Dissipation	I <sub>CC</sub>	-	199.2	217.3	mA	Note 7-1
LVDS Differential input high threshold	Vth	-	-	100	mV	Note 7-2
LVDS Differential input low threshold	V <sub>TL</sub>	-100	-	-		
V <sub>com</sub> Voltage	$V_{\text{com}}$	-	3.1	-	V	

Note 7-1 : To test the current dissipation of V<sub>CC</sub>, using the "color bars" testing pattern shown as below

1	2	3	4	5	6	7	8	1 2 3 4 5 6 7 8
---	---	---	---	---	---	---	---	--------------------------------------

White

- Yellow 2.
- 3. Cyan
- 4. Green
- 5. Magenta
- Red 5.
- 7. Blue
- Black 8.

I<sub>CC</sub> current dissipation testing pattern

Note7-2 : Please refers to THC63LVDF64A specification by THINE. This LCD module conforms to LVDS standard.

- -°C

#### 7-2) Backlight driving

Connector type: JST BHSR-02VS-1

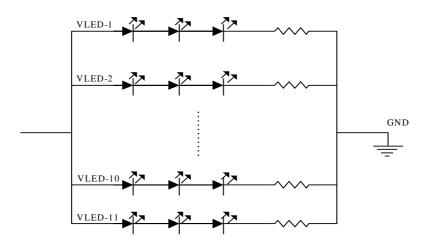
Pin No	Symbol	Description	Remark
1	VL1	Input terminal (Hi voltage side)	Wire color : Red
2	VL2	Input terminal (Ground side)	Wire Color : Black

7-3) Recommended Driving Condition for LED Back Light

					GN	ND = 0 V, $Ta = 25 C$
Parameter	Symbol	Min	TYP	MAX	Unit	Remark
Supply voltage of LED backlight	$V_{\text{LED}}$	TBD	9.9	TBD	V	$I_{LED} = 20 \text{ mA}$
Supply current of LED backlight	$I_{\text{LED}}$	-	20	-	mA	Note 7-3
Backlight Power Consumption	PLED	TBD	2.18	TBD	W	Note 7-4

Note 7-3 : The LED driving condition is defined for each LED module. (3 LED Serial)

 $Note \ 7-4 \ : \ P_{\text{LED}-1} * \ I_{\text{LED}-1} * \ I_{\text{LED}-1} + V_{\text{LED}-2} * \ I_{\text{LED}-2} \ \ \dots \ \ + \ V_{\text{LED}-10} * \ I_{\text{LED}-10} + V_{\text{LED}-11} * \ I_{\text{LED}-11} * \ I_{\text{LED}-$ 



#### 7-4) Power Consumption

Parameter	Symbol	Тур.	Max.	Unit	Remark
LCD Power consumption (W/O BL)	-	0.66	0.72	W	
LED Backlight Power Consumption	-	TBD	TBD	W	Note 7-5
Total Power Consumption	-	TBD	TBD	W	

Note 7-5: Backlight lamp power consumption is calculated by  $I_L \times V_L$ 

The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:9

#### 8. Pixel Arrangement

The LCD module pixel arrangement is the stripe.

R G B R G B 1 st Line   R G B R G B 2 nd Line   R G B 3 rd Line   1 st Pixel	R G B R G B R G B 800 th Pixel
1 Pixel = $\mathbf{R}\mathbf{G}\mathbf{B}$	
RGB $478$ th LineRGBRGBRGBRGBRGBRGBAGBRGBAGBRGB	R G B R G B R G B

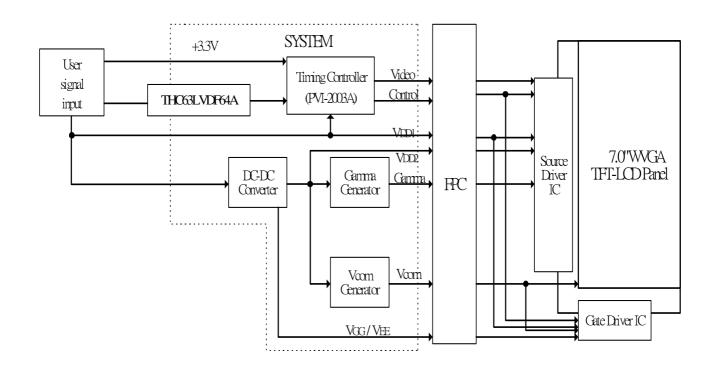
The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:10

#### 9. Display Color and Gray Scale Reference

			Input Color Data																
Color				Re	ed			Green				Blue							
		R5	<b>R</b> 4	<b>R</b> 3	<b>R2</b>	<b>R1</b>	<b>R0</b>	G5	G4	G3	G2	G1	G0	B5	<b>B</b> 4	<b>B</b> 3	<b>B2</b>	<b>B1</b>	<b>B0</b>
	Black	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Red (63)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Green (63)	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
Basic	Blue (63)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
Colors	Cyan	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	Magenta	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1
	Yellow	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
	White	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Red (00)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Red (01)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Red (02)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Darker																		
Red	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	↓	↓	↓	Ŷ	$\downarrow$										
	Brighter																		
	Red (61)	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Red (62)	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Red (63)	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Green (00)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Green (01)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Green (02)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Darker																		
Green	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	↓	$\downarrow$										
	Brighter																		
	Green (61)	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0
	Green (62)	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
	Green (63)	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
	Blue (00)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Blue (01)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Blue (02)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Darker														L .				
Blue	↓	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	↓	$\downarrow$	Ŷ	$\downarrow$	Ŷ	$\downarrow$	Ŷ	¥	↓	$\downarrow$	¥	↓	$\downarrow$	$\downarrow$
	Brighter																		
	Blue (61)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
	Blue (62)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
	Blue (63)	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1

#### 10. Block Diagram

#### 10-2) TFT-module Block Diagram



The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:12

#### 11. Interface Timing

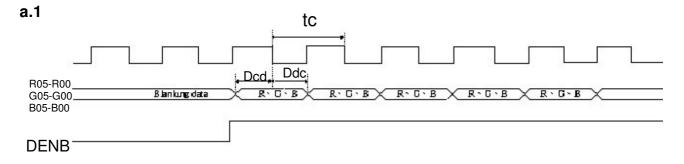
#### 11.1) Timing Parameters

		Symbol	Min.	Тур.	Max.	Unit	Remark
Power supply		VCC	3.0	3.3	3.6	V	
CLK	Frequency	1/tc	-	32	-	MHz	
		tc	-	31.25	-	ns	
HSYNC	Period	Нр	-	33	-	us	
			-	1056	-	tc	
	Display period	Hdp	-	800	-	tc	
	Pulse width	Hpw	-	128	-	tc	
	Back-porch	Hbp	I	86	-	tc	
	Front-porch	Hfp	I	42	-	tc	
	Hpw+Hbp		-	214	-	tc	
	Hsync-CLK	Hhc	10	-	Tc-10	ns	
	Vsync-Hsync	Hvh	0	0	200	tc	
VSYNC	Period	Vp	-	17.325	-	ms	
			I	525	-	Нр	
	Display period	Vdp	I	480	-	Нр	
	Pulse width	Vpw	-	2	-	Нр	
	Back-porch	Vbp	-	33	-	Нр	
	Front-porch	Vfp	-	10	-	Нр	
	Vpw+Vbp		I	35	-	Нр	
DENB	1 1		860	1056	1064	tc	
	Horizontal display period			800	-	tc	
	Vertical display period			480	-	T1	
	Frame cycling period	T4	520	525	800	T1	
R,G,B	CLK-DATA	Dcd	10	-	-	ns	
	DATA-CLK	Ddc	8	-	-	ns	

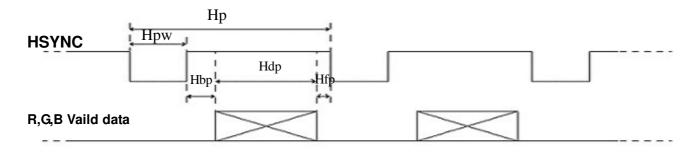
The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:13

### 11.2) The Timing Diagram

#### a. Input signal range



#### a.2 HSYNC timing

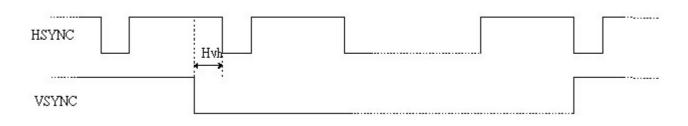


#### a.3 CLK, HSYNC relationship

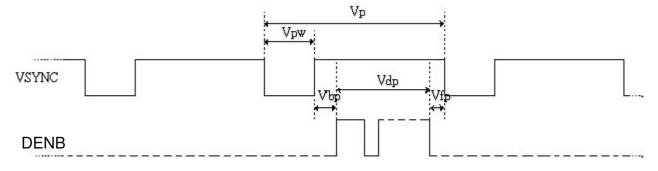


The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:14

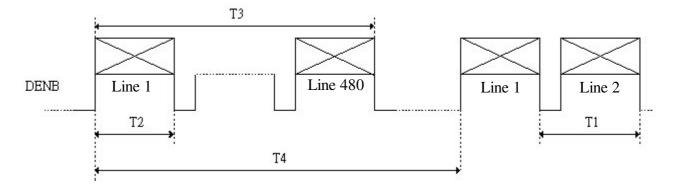
#### a.4 HSYNC, VSYNC relationship



#### a.5 VSYNC timing



#### a.6 DENB timing

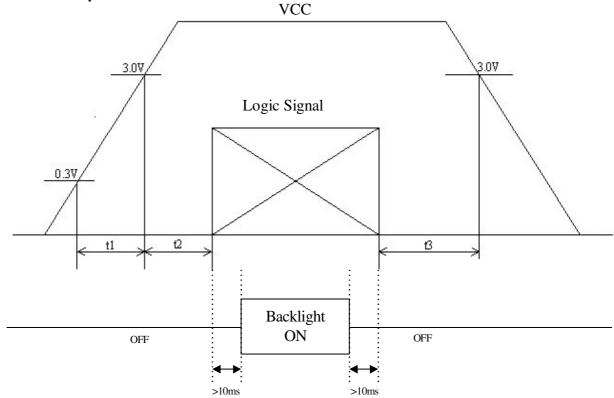


The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:15



0 E °C

#### 12. Power On Sequence



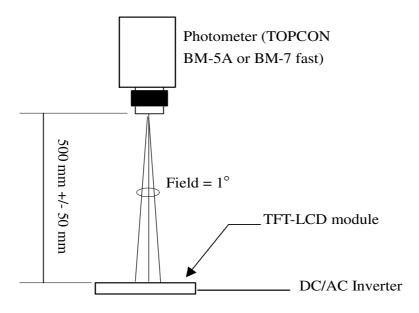
- 1.  $0 < t1 \le 20ms$
- 2. 0<t2≦50ms
- 3. 0<t3≦1s

#### **13. Optical Characteristics**

#### 13-1) Specification:

								Ta=25℃	
Parameter		Symbol	Condition	MIN.	TYP.	MAX.	Unit	Remarks	
	Horizontal	$\theta$ 21.22		±55	±60	-	deg	Note 13-1	
Viewing Angle	Vertical	heta 12 (to 12 'clock)	CR≧10	35	40	-	deg		
, anglo	ventical	$\theta$ 11 (to 6 o'clock)		50	55	-	deg		
Contrast Ratio		CR	<i>θ</i> =0°	250	400	-	-	Note 13-2	
Response time Rise		Tr	<i>θ</i> =0°	-	15	30	ms	Note 13-3	
nesponse im	Fall	Tf	0=0	-	25	50	ms	11016 13-3	
Brightness		L	$\theta = 0^{\circ} / \varphi = 0$	350	400	-	<b>cd</b> /m <sup>2</sup>		
Luminance Uniformity		U	-	70	75	-	%	Note 13-4	
LED Life Time		-	-	30000	-	-	hr	At 6mA	
White Chromaticity		Х	<i>θ</i> =0°/ <i>φ</i> =0	TBD	TBD	TBD	-		
		У	$\phi = 0 / \phi = 0$	TBD	TBD	TBD	-		
Cross Talk		-	<i>θ</i> =0°	_	-	3.5	%	Note 13-5	

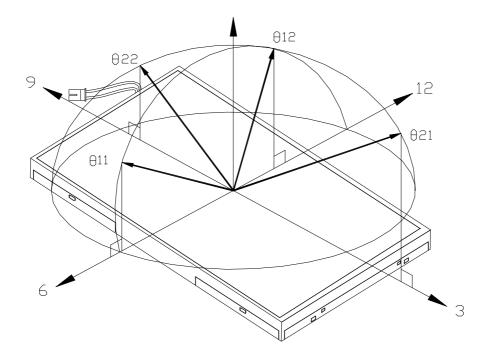
All the optical measurement shall be executed 30 minutes after backlight being turn-on. The optical characteristics shall be measured in dark room (ambient illumination on panel surface less than 1 Lux). The measuring configuration shows as following figure.



Optical characteristics measuring configuration

Topcon BM-5A or BM-7 fast luminance meter 1° field of view is used in the testing (after 30 minutes' operation). The typical luminance value is measured at lamp current 6.0 mA.

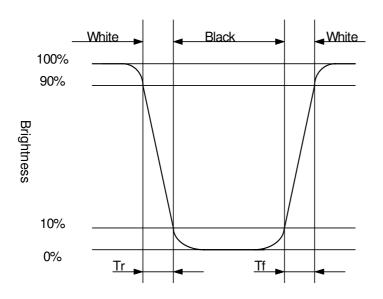
Note 13-1: The definitions of viewing angles are as follow.



The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:17

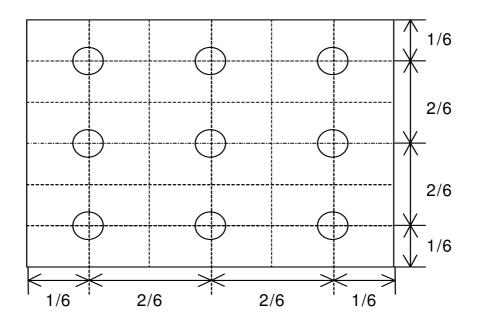
# **O**PRIME VIEW

Note 13-2: The definition of contrast ratio  $CR = \frac{Luminance at gray level 63}{Luminance at gray level 0}$ Note 13-3: Definition of Response Time Tr and Tr:



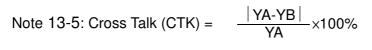
Note 13-4: The uniformity of LCD is defined as

U = The Minimum Brightness of the 9 testing Points The Maximum Brightness of the 9 testing Points Luminance meter : BM-5A or BM-7 fast(TOPCON) Measurement distance : 500 mm +/- 50 mm Ambient illumination : < 1 Lux Measuring direction : Perpendicular to the surface of module The test pattern is white (Gray Level 63).

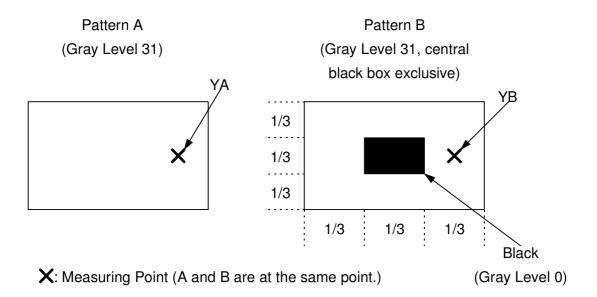


The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:18

# **O**PRIME VIEW



YA: Brightness of Pattern A YB: Brightness of Pattern B Luminance meter : BM 5A or BM-7 fast (TOPCON) Measurement distance : 500 mm +/- 50 mm Ambient illumination : < 1 Lux Measuring direction : Perpendicular to the surface of module



The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:19

#### 4. Handling Cautions

- 14-1) Mounting of module
  - a) Please power off the module when you connect the input/output connector.
  - b) Please connect the ground pattern of the inverter circuit surely. If the connection is not perfect, some following problems may happen possibly.
    - 1. The noise from the backlight unit will increase.
    - 2. The output from inverter circuit will be unstable.
    - 3.In some cases a part of module will heat.
  - c) Polarizer which is made of soft material and susceptible to flaw must be handled carefully.
  - d) Protective film (Laminator) is applied on surface to protect it against scratches and dirts. It is recommended to peel off the laminator before use and taking care of static electricity.
- 14-2) Precautions in mounting
  - a) When metal part of the TFT-LCD module (shielding lid and rear case) is soiled, wipe it with soft dry cloth.
  - b) Wipe off water drops or finger grease immediately. Long contact with water may cause discoloration or spots.
  - c) TFT-LCD module uses glass which breaks or cracks easily if dropped or bumped on hard surface. Please handle with care.
  - d) Since CMOS LSI is used in the module. So take care of static electricity and earth yourself when handling.
- 14-3) Adjusting module
  - a) Adjusting volumes on the rear face of the module have been set optimally before shipment.
  - b) Therefore, do not change any adjusted values. If adjusted values are changed, the specifications described may not be satisfied.
- 14-4) Others
  - a) Do not expose the module to direct sunlight or intensive ultraviolet rays for many hours.
  - b) Store the module at a room temperature place.
  - c) The voltage of beginning electric discharge may over the normal voltage because of leakage current from approach conductor by to draw lump read lead line around.
  - d) If LCD panel breaks, it is possibly that the liquid crystal escapes from the panel. Avoid putting it into eyes or mouth. When liquid crystal sticks on hands, clothes or feet. Wash it out immediately with soap.
  - e) Observe all other precautionary requirements in handling general electronic components.
  - f) Please adjust the voltage of common electrode as material of attachment by 1 module.

#### **15. Reliability Test**

No	Test Item	Test Condition	Remark
1	High Temperature Storage Test	Ta = +85℃, 240 hrs	
2	Low Temperature Storage Test	$Ta = -40^{\circ}C$ , 240 hrs	
3	High Temperature Operation Test	Ta = +80°C , 240 hrs	
4	Low Temperature Operation Test	Ta = -30°C , 240 hrs	
5	High Temperature & High Humidity Operation Test	Ta = +60℃, 90%RH, 240 hrs (No Condensation)	
6	Thermal Cycling Test (non-operating)	-30℃→+80℃, 200 Cycles 30min 30min	
7	Vibration Test (non-operating)	Frequency:10 ~ 55 H <sub>Z</sub> , Amplitude:1 mm Sweep time: 11 min Test Period: 6 Cycles for each direction of X, Y, Z	
8	Shock Test (non-operating)	100G, 6ms Direction: ±X, ±Y, ±Z Cycle: 3 times	
9	Electrostatic Discharge Test (non-operating)	Contact mode: ±8KV,10times/point , 9 points/panel face Air mode: 150pF, 330ΩAir : ±15KV	

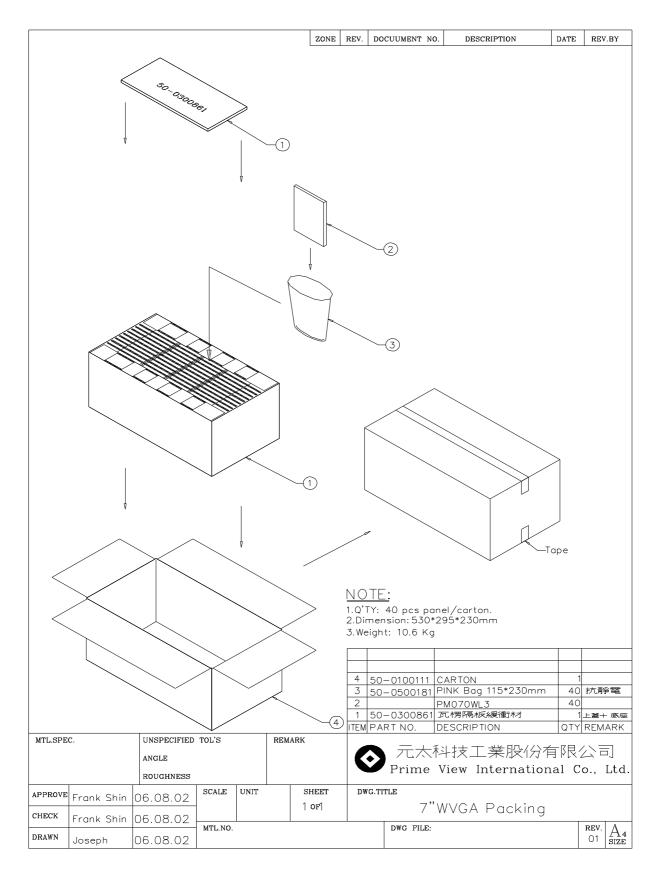
Ta: ambient temperature

#### [Criteria]

In the standard conditions, there is not display function NG issue occurred. (including : line defect ,no image). All the cosmetic specification is judged before the reliability stress.

The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:21

#### 16. Packing Diagram



The information contained herein is the exclusive property of Prime View International Co., Ltd. and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission of Prime View International Co., Ltd. Page:22



### **Revision History**

Rev.	Eng.	Issued	Date	Revised	Contents
1.0	Anson,Tsai	, Oct.27	2006	New	