S	SPECIFICATIC of	N 光聯科技 May-25-2010 品管部 QC DEPT.
LIQU	ID CRYSTAL DISPLAY	MODULE
CUSTOMER : UR	T-STD	
Model No. : UN	ISH-8173MD-1T	
Model version :	3	
Document Revision :	4	
C	USTOMER APPROVED SIGNAT	URE
production and delive order for this model r	ed to be signed by purchaser or customer as a spery from URT. Without signature of this specifi to. will be treated and considered that this specificepted by purchaser or customer. UNITED RADIANT TE	cation, any purchase
		on TsaiMay-25-2010PAREDDate
	Taichung Econamic Processing Zone,Tantzu,Taichung,Taiw 86-4-25314277 FAX: 8	van,R.O.C. 186-4-25313067
R.T. Revision 4;	UMSH-8173MD-1T Ver. 3 ; May-25-2010	Page: 1

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		<b>Revision record</b>	
Document	Model No.	Description	Revision
Revision	Version No.	Description	by
ICC VISIOII	UMSH-8173MD-T		by Y.D. Shie
0	(UFSH-K106EY-FT)		Zi Xin Ou
	Version No. 0		14-Aug-2008
	UMSH-8173MD-1T		Y.D. Shie
1	(UFSH-K106EY-FT)	Add the touch panel.	Zi Xin Ou
	Version No. 0		15-Aug-2008
2	UMSH-8173MD-1T	Modify backlght LED lifetime from	Y.D. Shie
2	(UFSH-K106EY-FT)	10000 hours to 50000 hours.	Zi Xin Ou
	Version No. 1		13-Feb-2009
3	UMSH-8173MD-1T		Sharon Tsai
	(UFSH-K106EY-FT)	Add Dot Defect information	17-Jul-2009
	Version No. 2 UMSH-8173MD-1T		
4	UMSH-81/3MD-11 (UFSH-K106EY-FT)	1.Add Touch Panel information	Sharon Tsai
	Version No. 3		25-May-2010
	.T. Revision 4 ;	UMSH-8173MD-1T Ver. 3 ; May-25-2010	Page: 2

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## **1. BASIC SPECIFICATION**

#### 1.1 Mechanical specifications

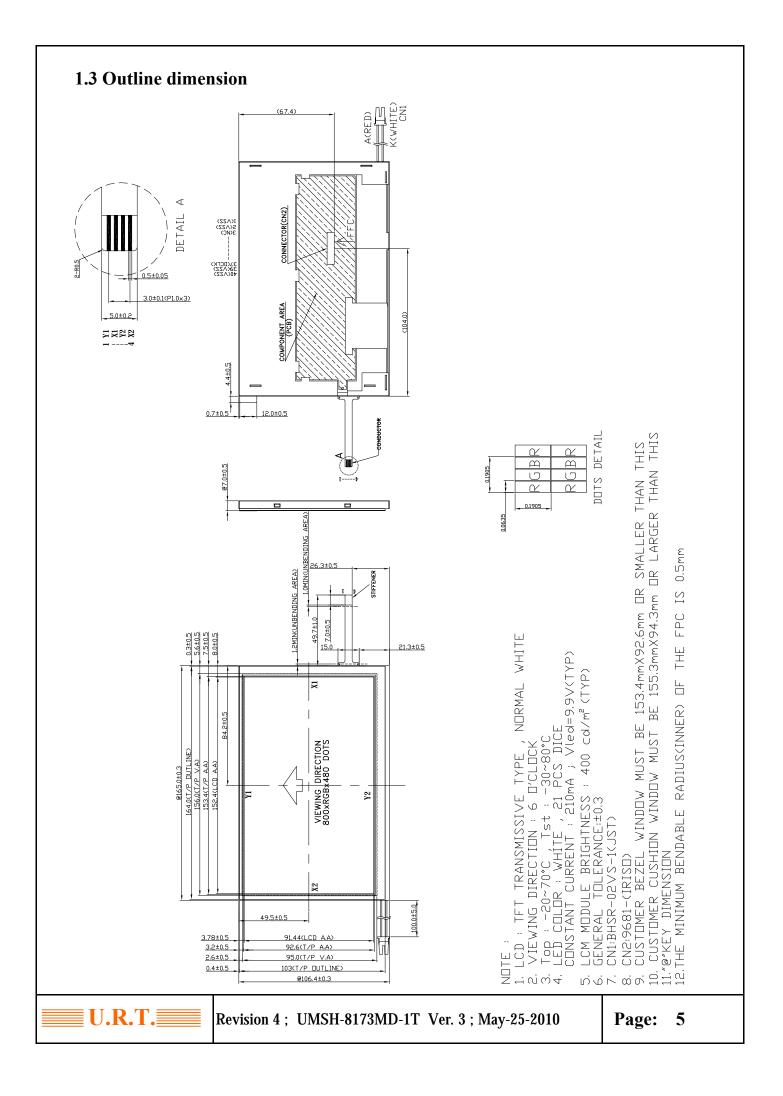
Items	Nominal Dimension	Unit
Active screen size	7" diagonal	_
Dot Matrix	800 x RGB x 480	dots
Module Size (W x H x T)	165.0 x 106.4 x 7.0	mm.
Active Area (W x H)	152.4 x 91.44	mm.
Dot Pitch (W x H)	0.1905 x 0.1905	mm.
Color depth	262K	color
Interface	Parallel 18-bit RGB	-
Driving IC Package	COG	-
Module weight	178	g

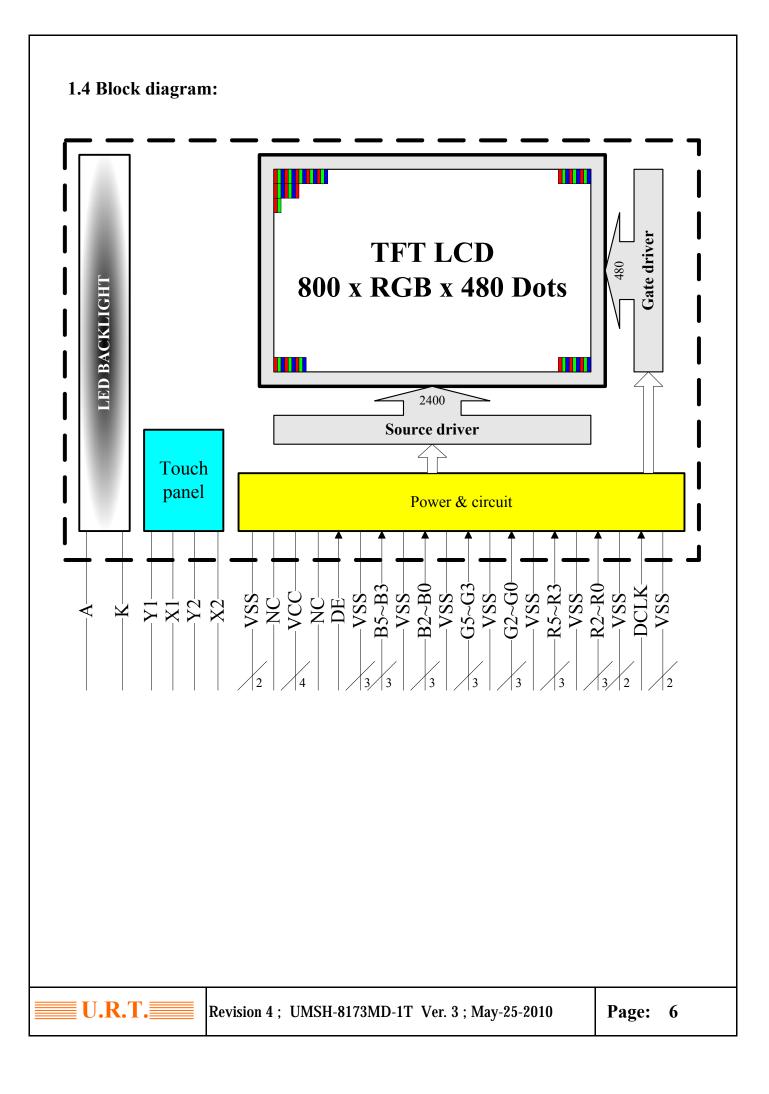
#### 1.2 Display specification

Display	Descriptions	Note
LCD Type	a-Si TFT	
LCD Mode	TN / Normal white	
Polarizer Mode	Transmissive	
Polarizer Surface	Normal	
Background Color	RGB-stripe	
Backlight Type	LED	
Viewing Direction	6 O'clock Direction	

\* Color tone is slightly changed by temperature and driving voltage.

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# 1.5 Interface pin :

Pin No.	Pin Symbol	I/O	Description
1~2	VSS	Р	GND
3	NC	-	No connection
4~7	VCC	Р	Power supply for Module (+3.3V)
8	NC	-	No connection
9	DE	I	Data enable
10~12	VSS	Р	GND
13~15	B5~B3		Blue data input
16	VSS	Р	GND
17~19	B2~B0	I	Blue data input
20	VSS	Р	GND
21~23	G5~G3	I	Green data input
24	VSS	Р	GND
25~27	G2~G0	1	Green data input
28	VSS	Р	GND
29~31	R5~R3	I	Red data input
32	VSS	Р	GND
33~35	R2~R0	I	Red data input
36~37	VSS	Р	GND
38	DCLK	I	Dot clock
39~40	VSS	Р	GND

## B/L interface pin:

Pin No.	Pin Symbol	1/0	Description
1	A	Р	Power supply for LED+
2	к	Р	Power supply for LED-

Pin No.	Pin Symbol	I/O	Description
1	Y1	-	Touch screen.
2	X1	-	Touch screen.
3	Y2	-	Touch screen.
4	X2	-	Touch screen.

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# 2. ELECTRICAL CHARACTERISTICS

# 2.1 Absolute Maximum Ratings

Items	Symbol	Min.	Max.	Unit
Power supply voltage	VCC	-0.3	7.0	V
Input voltage	Vin	-0.3	VCC+0.3	V
Operate temperature range	Top	-20	70	°C
Storage temperature range	Tst	-30	80	°C

U.R.T.

## **2.2 DC Characteristics**

# $T_a = 25^{\circ}C$

Items	Symbol	Min.	Тур.	Max.	Unit	Condition
Supply voltage	VCC	-	3.3	-	V	-
Input Voltage	VIL	0	-	0.3VCC	V	L level
	VIH	0.7VCC	-	VCC	V	H level
Current consumption	IVCC	-	160	250	mA	Note 1

\*Note1 :

Measuring Condition: Standard Value MAX. T**a** = 25°C VCC -GND = 3.3V Display Pattern = Check pattern



0 gray black pattern

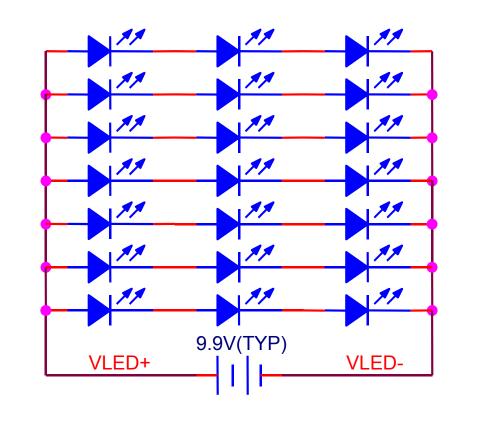
# 2.3 Back-light Characteristics

PARAMETER	SYMBOL	MIN	ТҮР	MAX	Unit	Test Condition	NOTE
Supply Current	If		30			Ta=25℃	single
Supply Current	ш	-	50	-	mA		serial
Supply Voltage	Vf	-	9.9		v	Ta=25°C	single
Supply voltage	VI	-	9.9	-	~	1a-23 (	serial
Half-Life Time	Lf	-	50000	-	hrs	Ta=25℃	1

Note 1 : The "Half-Life Time" is defined as the LED chip brightness decreases to 50% than original brightness, Based on Ta 25±2°C,60±10% RH condition.

Note 2 : LED backlight is 21 LEDs.

U.R.T.



# 2.4 AC Characteristics

Switching characteristics

PARAMETER	Symbol		Spec.		Unit
PARAMETER	Symbol	Min.	Тур.	Max.	onit
Data setup time	T <sub>dsu</sub>	6	-	-	ns
Data hold time	T <sub>dhd</sub>	6	-	-	ns
DE setup time	T <sub>esu</sub>	6	-	-	ns
Source output settling time	T <sub>ST</sub>	÷.		15	μs
Source output loading R	R <sub>SL</sub>	-	2	-	K ohm
Source output loading C	C <sub>SL</sub>	-	60	-	pF

Parallel RGB Input Timing Requirement

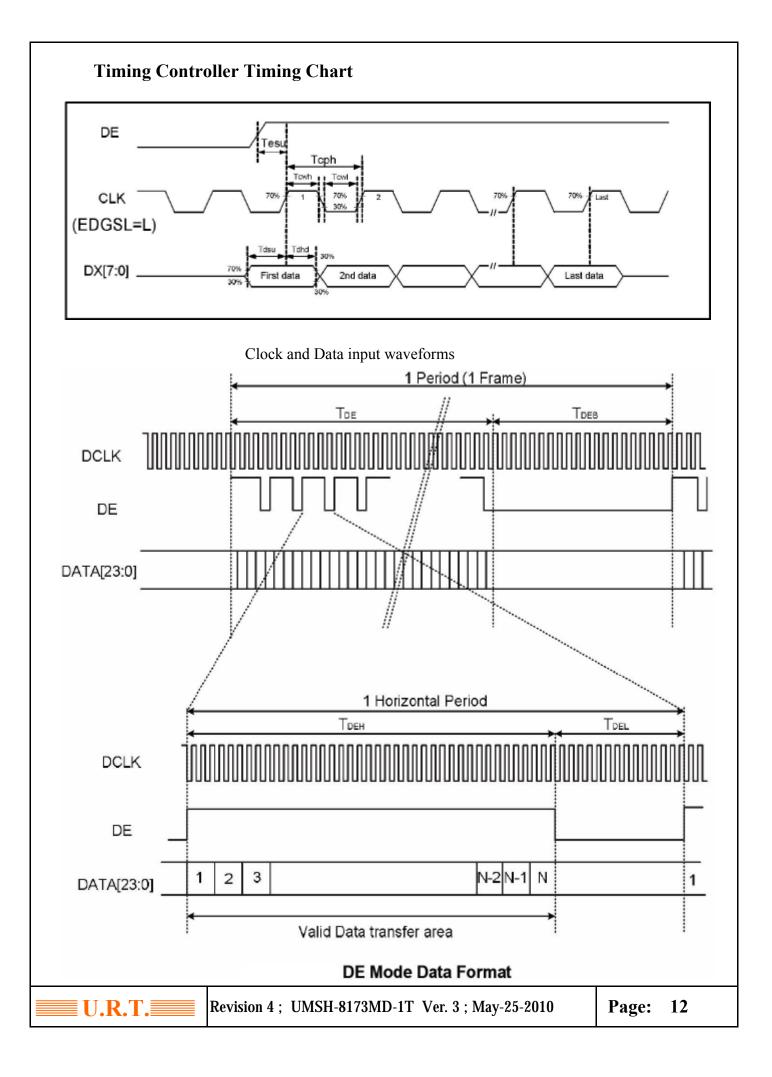
# DE mode

PARAMETER	Sumbol		Spec.		11
PARAMETER	Symbol	Min.	Тур.	Max.	Unit
CLK frequency	F <sub>CPH</sub>	-	33.26	-	MHz
CLK period	T <sub>CPH</sub>	-	30.06	-	ns
CLK pulse duty	T <sub>CWH</sub>	40	50	60	%
DE period	T <sub>DEH</sub> +T <sub>DEL</sub>	1000	1056	1200	T <sub>CPH</sub>
DE pulse width	T <sub>DEH</sub>	-	800	-	T <sub>CPH</sub>
DE frame blanking	T <sub>DEB</sub>	10	45	110	T <sub>DEH</sub> +T <sub>DEL</sub>
DE frame width	T <sub>DE</sub>	-	480	-	$T_{DEH}+T_{DEL}$

PARAMETER	Symbol		Spec.		Unit
FARAMETER	Symbol	Min.	Тур.	Max.	Onit
OEV pulse width	TOEV	-	150	-	T <sub>CPH</sub>
CKV pulse width	Тски	-	133	-	T <sub>CPH</sub>
DE(internal)-STV time	T <sub>1</sub>	-	4	-	T <sub>CPH</sub>
DE(internal)-CKV time	T <sub>2</sub>	-	40	-	T <sub>CPH</sub>
DE(internal)-OEV time	T <sub>3</sub>	-	23	-	T <sub>CPH</sub>
DE(internal)-POL time	T <sub>4</sub>	-	157	-	T <sub>CPH</sub>
STV pulse width	-	-	1	-	Tн

(i). T<sub>HS</sub>+T<sub>HA</sub><T<sub>H</sub>

U.R.T.



# Hardware Reset Timing

	PARAMETER	Symbol		Spec.	Mass	Unit	
DESET	D low pulse width	т	Min.	Тур.	Max.		
Negativ	B low pulse width e noise pulse width	T <sub>rstw</sub> T <sub>nr</sub>	10	-	- 4	μs	
Reset	start time	T <sub>st</sub>	4	-	4	µs µs	
RESETB IC state		Tnr al Operation		Trstv	v eset	Norm Operat	alion
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# **2.5 Touch Panel Specifications**

Display	Descriptions	Note
Surface Hardness	3Н	-
Input mode	Stylus or Finger	-
Operating Force (Minimum Active Force)	$\leq 100~{ m gf}$	Stylus R0.8mm (Active Area toward inner 2mm)
Connector Type	FPC	-

# **2.5.1 Electric Characteristics**

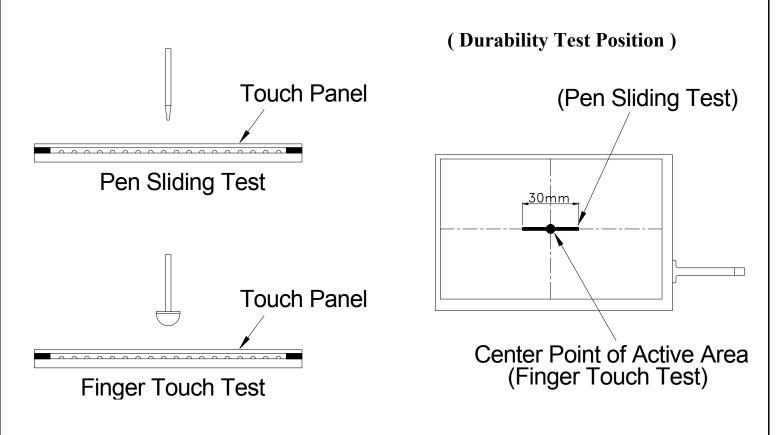
Items	Descriptions	Note
Linearity -	$X-axis \leq 1.5\%$	Active Area toward
	Y-axis≦1.5%	inner 2mm
Terminal Resistance	X-axis: 550~1150Ω	-
reminar Resistance	Y-axis : 50~600Ω	-



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# 2.5.2 Durability Test

Items	Condition
Finger Touch Test	Repeating impact the surface of touch panel 1,000k times by R8.0 silicon rubber under 250g loading and 2 times/sec speed.
Pen Sliding Test	Drawing line in 30mm length at same location of touch panel surface 100k times by R0.8mm plastic stylus under 250g loading and 60mm/sec moving speed.





2.5.3 Attention for Assembly and Ope	ration	
Touch Panel as illustrated in the followings:		
Insulation Area	T/P Viewing Area	
BA	LCD Viewing Area	
	Case Opening	
	T/P Active Area	
	LCD Active Area	
ITO Film Support		
ITO Layer		<u></u>
ITO Glass		Touch Panel
LCM Bezel		LCD Module
<ol> <li>T/P Active Area : Means T/P guaranteed active area</li> <li>Area A : Where the T/P can be operated but the feat</li> <li>Area B : This area is prohibited to contact, it is eas</li> </ol>	ture and function are not guaranteed.	
(4) a.Customer should design the "Support " in betwee once the case was deformed or pressed unintende	en the case and T/P ,with sufficient thi	ickness to ensure
b.Support need to be designed within the frame s	ize.	
c.We suggest to the support thickness as 0.5mm thickness according to thecase deformation.	, but customer should adapt suitable	
(5) The best design of customer's case opening is sugget the T/P Active Area ,or in between the dimension of if the LCD Viewing area was smaller than T/P Act LCD Viewing area .	f LCD Viewing area and T/P Active A	rea . But once
(6) Never use double sided tape or glue in between the to ITO film or seperate the T/P with the ITO film		cause harm
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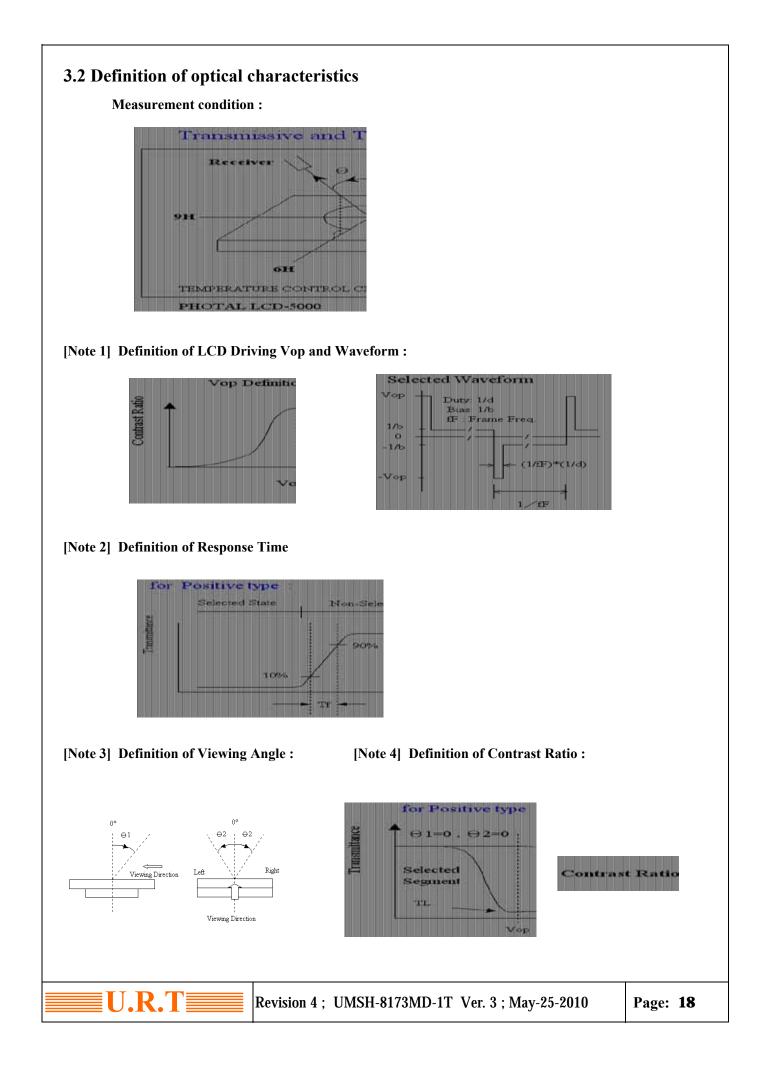
# **3. OPTICAL CHARACTERISTICS**

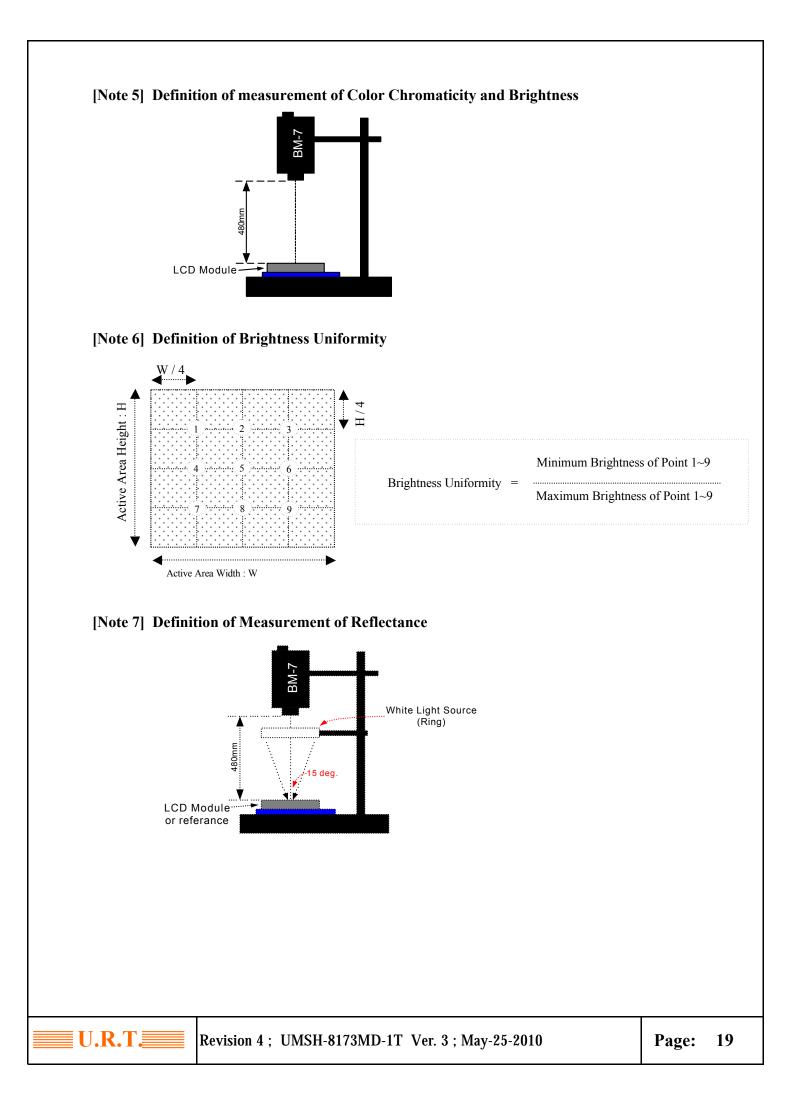
#### 3.1 Characteristics

r		plical Chara	T		M	T	M	TT. 4	NL
No.	Item			ol / temp.	Min.	Тур.	Max.	Unit	Note
1	Response	Time	Tr	<b>25</b> °C	NA	5	10	ms	2
			Tf	<b>25</b> °C	NA	15	20	III5	2
		Hor.	$\Theta_{2^+}$		60	85	-		
2	Viewing	1101.	Θ <sub>2-</sub>	Center	60	85	-	dagraa	3
2	Angle	Ver.	$\Theta_{2^+}$	CR>=10	60	85	-	degree	3
		vel.	Θ <sub>2-</sub>		60	85	-		
3	Contrast F	Ratio	Cr	<b>25</b> °C	700	1000	-	-	4
	Red x-cod	le	Rx		0.54	0.59	0.64		
	Red y-cod	le	Ry		0.31	0.36	0.41		
	Green x-c	ode	Gx		0.29	0.34	0.39		
	Green y-c	ode	Gy		0.53	0.58	0.63		5
4	Blue x-co	de	Bx	<b>25</b> °C	0.10	0.15	0.20	-	
	Blue y-co	de	By		0.10	0.15	0.20		
	White x-c	ode	Wx		0.27	0.32	0.37		
	White y-c	ode	Wy		0.32	0.37	0.42		
	Brightness	5	Y		300	400	-	cd/m <sup>2</sup>	
5	Brightness Uniformi			<b>25</b> °C	80	-	-	%	6

Electrical and Optical Characteristics







## 4. RELIABILITY :

Item No	Items	Condition			
1	High temperature operating	$70~^\circ\!\mathrm{C}$ , $200~\mathrm{hours}$			
2	Low temperature operating	-20 °C , 200 hours			
3	High temperature storage	80 °C , 200 hours			
4	Low temperature storage	-30 °C , 200 hours			
5	High temperature & humidity storage	60°C, 90%RH, 100 hours			
6	Thermal Shock storage	-30°C, 30min.<=> 80°C, 30min. 10 Cycles			
7	Vibration test	$10 \Rightarrow 55 \Rightarrow 10 \Rightarrow 55 \Rightarrow 10 \text{ Hz}$ , within 1 minute Amplitude : 1.5mm. 15 minutes for each Direction (X,Y,Z)			
8	Drop test	Packed, 100CM free fall, 6 sides, 1 corner, 3edges			
9	Life time	50,000 hours 25°C, 60%RH, specification condition driving			

- \* One single product test for only one item.
- \* Judgment after test : keep in room temperature for more than 2 hours.
  - Current consumption < 2 times of initial value
  - Contrast > 1/2 initial value
  - Function : work normally



## 5. PRODUCT HANDLING AND APPLICATION

## **PRECAUTION FOR HANDLING LCM**

- The LCD module contains a C-MOS LSI. People who operate the LCM should wear ESD protection eguipement to prevent ESD hurt on products.
- Do not input any signal before power is turned on.
- Do not take LCM from its packaging bag until it is assembled.
- Peel off the LCM protective film slowly since static electricity may be generated.
- Pay attention to the humidity of the work shop, 50~60%RH is satisfactory.
- Use a non-leak iron for soldering LCM.
- Do not touch the display surface or connection terminals area with bare hands.Smudges on the display surface reduce the insulation between terminals.
- Cautions for soldering to LCM:

Condition for soldering I/O terminals:

Temperature at iron tip :350°C±15°C.

Soldering time : 3~4sec./ terminals.

Type of solder : Eutectic solder(rosin flux filled).

## PRECAUTION IN USE OF LCD

- Do not contact or scratch the front surface and the contact pads of a LCD panel with hard materials such as metal or glass or with one's nail.
- To clean the surface , wipe it gently with soft cloth dampened by alcohol.
- Do not attempt to wiped off the contact pads.
- Keep LCD panels away from direct sunlight, also avoid them in high-temperature & high humidity environment for a long period.
- Do not drive LCD panels by DC voltage.

**U.R.T.** 

- Do not expose LCD panels to organic solvent.
- Liquid in LCD is hazardous substance. In case a contact with liquid crystal material is occured, be sure to immediately wash such material away by soap and water.
- The polarizer is easily damaged and should be handle with special care. Don't press or rub it with hard objects.

## **PRECAUTION FOR STORING AND USE OF LCM**

• To avoid degradation of the device , do not store the module under the conditions of direct sunlight , high temperature or high humidity . Keep the module in bags designed to prevent static electricity charging under low temperature / normal humidity conditions(avoid high temperature / high humidity and low temperature below 0°C)

• Never use the LCD, LCM under 45 Hz, the liquid crystal will decomposition and cause permently damage on display !!

## USING ON MEDICAL CARE , SAFETY OR HAZARDOUS APPLICATION OR SYSTEM

- For the application in medical care, safety and hazardous prodcuts or systems, an authorization from URT is required. URT will not responsible for any damage or loss which caused by the products without any authorization given by URT.
- This product is not allowed to be designed and used for military application and/or purpose.
- The delivery of this product to the countries and/or regions where the embargoes are imposed by U.N. is prohibited.
- The application and delivery of this product must comply with Startegic High-Tech Commodities (SHTC) export control and the sales to the embargoed and/or sanctioned countries or regions are strictly prohibited.

# 6. DATE CODE OF PRODUCTS

• Date code will be shown on each product :

# • YY MM DD - XXXX

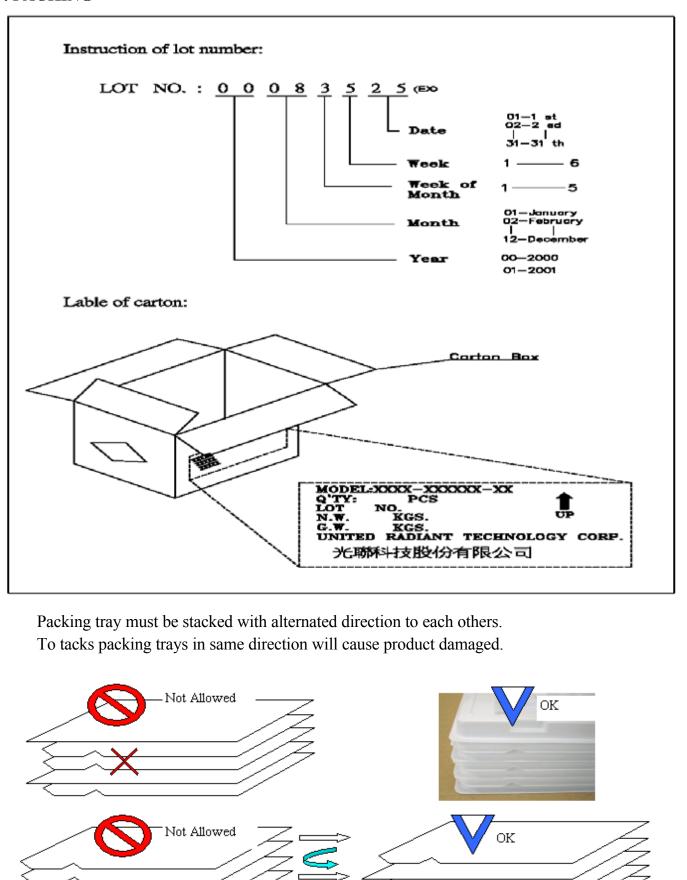
Year Month Day - Production lots

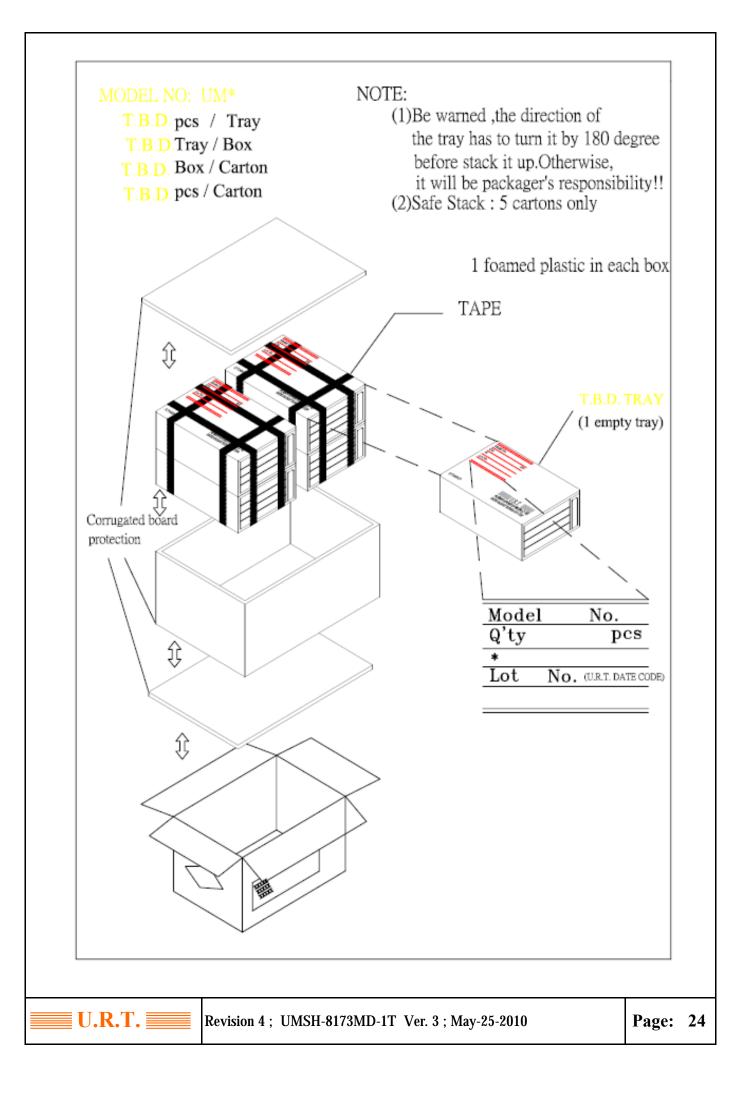
• Example: 090508 - 0 0 0 3 ==>Year 2009, May.,08rd , Batch no.03



## 7. PACKING

U.R.T.





## 8. INSPECTION STANDARD

#### **8.1. QUALITY :**

THE QUALITY OF GOODS SUPPLIED TO PURCHASER SHALL COME UP TO THE FOLLOWING STANDARD. 8.1.1. THE METHOD OF PRESERVING GOODS

AFTER DELIVERY OF GOODS FROM U.R.T. TO PURCHASER. PURCHASER SHALL CONTROL THE LCM AT -10  $^\circ$ C $\sim$  40  $^\circ$ C, and it might be desirable to keep at the Normal Room temperature and humidity until incoming inspection or throwing into Process Line.

#### **8.1.2. INCOMING INSPECTION**

(A) THE METHOD OF INSPECTION

IF PURCHASER MAKE AN INCOMING INSPECTION , A SAMPLING PLAN SHALL BE APPLIED ON THE CONDITION THAT QUALITY OF ONE DELIVERY SHALL BE REGARDED AS ONE LOT.

(B) THE STANDARD OF QUALITY

ISO-2859-1 ( or MIL-STD-105E ), LEVEL Ⅱ SINGLE PLAN.

CLASS	AQL(%)
CRITICAL	0.4 %
MAJOR	0.65 %
MINOR	1.5 %
TOTAL	1.5 %

EVERY ITEM SHALL BE INSPECTED ACCORDING TO THE CLASS.

#### (C) MEASURE

IF AS THE RESULT OF ABOVE RECEIVING INSPECTION, A LOT OUT IS DISCOVERED. PURCHASER SHALL BE INFORM SELLER OF IT WITHIN SEVEN DAYS. BUT FIRST SHIPMENT WITHIN FOURTEEN DAYS.

#### 8.1.3. WARRANTY POLICY

U.R.T. WILL PROVIDE ONE-YEAR WARRANTY FOR THE PRODUCTS ONLY IF UNDER SPECIFICATION OPERATING CONDITIONS. U.R.T. WILL REPLACE NEW PRODUCTS FOR THESE DEFECT PRODUCTS WHICH UNDER WARRANTY PERIOD AND BELONG TO THE RESPONSIBILITY OF U.R.T.

#### **8.2. CHECKING CONDITION**

**8.2.1.** CHECKING DIRECTION SHALL BE IN THE 45 DEGREE AREA TO FACE THE SAMPLE.

**8.2.2.** CHECKER SHALL SEE OVER 30 cm. WITH BARE EYES FAR FROM SAMPLE AND USING 2 PCS. OF 20W FLUORESCENT LAMP.



## **8.3. INSPECTION PLAN :**

CLASS	ITEM	JUDGEMENT	CLASS
	1. OUTSIDE AND INSIDE PACKAGE	"MODEL NO." , "LOT NO." AND "QUANTITY"	Minor
PACKING &		SHOULD INDICATE ON THE PACKAGE.	
INDICATE	2. MODEL MIXED AND QUANTITY	OTHER MODEL MIXEDREJECTED	Critical
		QUANTITY SHORT OR OVERREJECTED	
	3. PRODUCT INDICATION	"MODEL NO." SHOULD INDICATE ON	Major
		THE PRODUCT	
	4. DIMENSION,	ACCORDING TO SPECIFICATION OR	
ASSEMBLY	LCD GLASS SCRATCH	DRAWING.	Major
	AND SCRIBE DEFECT.		
	5. VIEWING AREA	POLARIZER EDGE OR LCD'S SEALING LINE	Minor
		IS VISABLE IN THE VIEWING AREA	
		REJECTED	
	6. BLEMISH   BLACK SPOT	ACCORDING TO STANDARD OF VISUAL	Minor
	WHITE SPOT IN THE LCD	INSPECTION ( INSIDE VIEWING AREA )	
	AND LCD GLASS CRACKS		
	7. BLEMISH   BLACK SPOT	ACCORDING TO STANDARD OF VISUAL	Minor
APPEARANCE	WHITE SPOT AND SCRATCH	INSPECTION ( INSIDE VIEWING AREA )	
	ON THE POLARIZER		
	8. BUBBLE IN POLARIZER	ACCORDING TO STANDARD OF VISUAL	Minor
		INSPECTION ( INSIDE VIEWING AREA )	
	9. LCD'S RAINBOW COLOR	STRONG DEVIATION COLOR ( OR NEWTON	
		RING) OF LCDREJECTED.	Minor
		OR ACCORDING TO LIMITED SAMPLE	
		( IF NEEDED, AND INSIDE VIEWING AREA )	
	10. ELECTRICAL AND OPTICAL	ACCORDING TO SPECIFICATION OR	Critical
	CHARACTERISTICS	DRAWING . ( INSIDE VIEWING AREA )	
	( CONTRAST \ VOP \		
	CHROMATICITY ETC )		
ELECTRICAL	11.MISSING LINE	MISSING DOT \ LINE \ CHARACTER	Critical
		REJECTED	
	12.SHORT CIRCUIT >	NON DISPLAY 丶 WRONG PATTERN	Critical
	WRONG PATTERN DISPLAY	DISPLAY \ CURRENT CONSUMPTION	
		OUT OF SPECIFICATION REJECTED	
	13. PIN HOLE > PATTERN DEFORMITY	ACCORDING TO STANDARD OF VISUAL	Minor
		INSPECTION	

U.R.T.

NO.	CLASS	ITEM	JUDGEMENT
			(A) ROUND TYPE: unit : mm.
			DIAMETER (mm.) ACCEPTABLE Q'TY
		· BLEMISH 、 BLACK SPOT 、	$\Phi \leq 0.1$ DISREGARD
8.4.1	MINOR	WHITE SPOT IN THE LCD.	$0.1 < \Phi \leq 0.2$ 2
			$0.2 < \Phi \leq 0.25$ 1
			$0.25 < \Phi$ 0
		· BLEMISH 、 BLACK SPOT 、	NOTE: $\Phi = (\text{LENGTH} + \text{WIDTH})/2$
		WHITE SPOT AND SCRATC	H (B) LINER TYPE: uni
		ON THE POLARIZER	LENGTH WIDTH ACCEPTABLE Q"
			$W \leq 0.03$ DISREGAR
			$L \le 5.0  0.03 < W \le 0.05 \qquad 3$
			$L \le 5.0  0.05 < W \le 0.07  1$
			$0.07 < W$ Follow round ty
			unit : mm.
			DIAMETER ACCEPTABLE Q'TY
8.4.2	MINOR	BUBBLE IN POLARIZER	$\Phi \leq 0.15$ DISREGARD
			$0.15 < \Phi \leq 0.5$ 2
			$0.5 < \Phi$ 0
			Items ACC. Q'TY
8.4.3	MINOR	Dot Defect	Bright dot $N \leq 4$
			Dark dot $N \leq 4$ Pixel Define
			R G B R G B R G B
			R G B R G B R G B
			R G B R G B R G B
			<ul> <li>Not 1: The definition of dot: The size of a defective dot 1/2 of whole dot is regarded as one defective dot Not 2: Bright dot: Dots appear bright and unchanged in which LCD panel is displaying under black part of 3: Dark dot: Dots appear dark and unchanged in swhich LCD panel is displaying under pure red, g ,blue pattern.</li> </ul>

CLASS	ITEM	JUDGEMENT	
MINOR	CHIPPING	Y > S	S REJ.
MINOR	CHIPPING	X or	Y > S REJ.
MAJOR	GLASS CRACK	$Y \rightarrow \frac{T}{Y}$	(1/2) T REJ.
MAJOR	SCRIBE DEFECT		L/3 , A>1.5mm. REJ. ACCORDING TO DIMENSION
MINOR	CHIPPING ( ON THE TERMINAL AREA )	T $Y$ $Y$	Ð = (x+y)/2 > 2.5 mm REJ.
MINOR	CHIPPING ( ON THE TERMINAL SURFACE )	T Z X	ζ > (1/3) T REJ.
MINOR	CHIPPING	X - Y Z	z>t REJ.
	MINOR MAJOR MINOR MINOR	MINORCHIPPINGMAJORGLASS CRACKMAJORSCRIBE DEFECTMINORCHIPPING (ON THE TERMINAL AREA )MINORCHIPPING (ON THE TERMINAL SURFACE )	MINOR       CHIPPING       State       X or 1         MAJOR       GLASS CRACK       Image: State       Y >         MAJOR       SCRIBE DEFECT       Image: State       Image: State       Image: State         MINOR       CHIPPING (ON THE TERMINAL AREA)       Image: State       Image: State       Image: State       Image: State         MINOR       CHIPPING (ON THE TERMINAL SURFACE)       Image: State       Image: State <td< td=""></td<>