

zetAU.com

CI Detester Liquid Crystal Displays

UB-354

features:

TN Transmissive LCD

3.4 inch size

Runs from standard composite video signal

320 x 110 dot display

Single 6 volt power supply

Integrated fluorescent backlight tube

CITIZEN SYSTEMS & PERIPHERALS EUROPE LIMITED OEM SALES DIVISION, CITIZEN HOUSE, 11 WATERSIDE DRIVE, LANGLEY BUSINESS PARK, LANGLEY, BERKSHIRE. SL3 6EZ. UK TEL: +44 1753 584111 FAX: +44 1753 582442

	Hodel No.	Page
PRODUCT SPECIFICATION	UB-354	1
1. Scope of application		
This specification applies to LCD video unit UB-354.		
2. Specifications		
2-1 Ratings		
(1) Signal mode : In accordance with EIA		
(2) Input impedance : $1M\Omega$ or more (AC)		
(3) Input signal : Composite video signal 2.0∨p-p (sync. SYNC : 572m ∨p-p SETUP : 108m ∨p-p LUMINANCE : 1320m ∨p-p	negative polarity)	
 (4) Display element : TN, LCD, transmissive negative display Number of picture elements : 320 dots Picture element form : Rectangle Driving method : 1/55 duty Polarizer : Color phan Prior viewing angle : In a direct 	(H) \times 110 dots (V) (HPS) multiplex drive se (NBS) L = 63.2 \pm 2.0 a = -1.5 \pm 2.0 b = 2.5 \pm 2.0	
(5) Viewing area : 68.0 (H) \times 50.4 (V) mm		
(6) Ambient temperature : Operating range : +5 to +40°C	× .	
(7) Storage temperature : -20 to +60 ℃		
(8) Power supply : DC6.0V \pm 10%		
. (9) Brightness VR : 50kΩ B type		
(10) Overall size : Refer to overall drawing		
(11) Weight : Approx. 115 g		

|. |

PRODUCT SPECIFICATION			Hodel No.	Page	
			UB-354	2	
2-2 Performance		•			
(1) Measurement conditions	Video signal level : Temperature	: 6.0 V ± : 2.0 Vp-p : 25℃ ± 2 : 65%RH ±	Ċ		
(2) Current consumption		: Hin. 12mA : Hin. 250mA (When Brig	Hax.	28mA 320mA volum is 50kΩ)	
(3) Synchronous stability	Sync. component	: 0.3 Vp-p	(In cas	e of entire white 2.0∨p-p)	•
(4) Synchronous pull-in ran		: 15.734kHz : 59.94Hz ±			
(5) Gradation	Possible to identify by 8-gradation grey				
(6) Contrast ratio	: CR = 8 or more (Ty Maximum value accord single unit	p., $\phi = 0^\circ$ ding to actu	, ∂=1 al driv	0°) ing waveform on panel	
$CR = \frac{Brightness}{Brightness}$	of white level of black level				









.

. -

-

	·····		Н	odel No.	Pa
	PRODUCT SPECIFICATION			UB-354	7
2-5 Package speci The module sh vertically in shown below.	fication all be put in a conductive po one delivery case of which i	lyethylene bag eve nterior has been p 294	ery unit and partitioned w	20 modules shal ith a cushion ma	l be put aterial
	165				
				7	
		× ·			
					~
	IES				
		498		•	
	315				
2-6 Lot marking				s	
		IZEN	J		
	UB-	-354	r		
	9 2				
	MADE	IN JAPAN			
	Mark of years	Mark	of months		
	Mark or years	<u> </u>	· · · ·		
When there is be determined	s a requirement for special id by discussion between CITIZE	entification on th N WATCH Co., Ltd.	ne product, t and the cust	he marking meth omer.	od will
L /			<u> </u>		

		Model No.	Pag	
	PRODUCT SPECIFICATION	UB-354	8	
3. Cau	tions			
(1)	A polarizer is kept mounted on the surface of LCD panel and the surface side is covered with a protective sheet. Befor sheet. A failure to remove the sheet may result in the dis color or stripes coming into view.	e using, take off the protect	ive	
(2)	Before applying the supply voltage or video signal, make su video unit and the wiring of video signal are right. If th note of the fact that the connection is improper, the unit	ne voltage is applied without	to the taking	
(3)	A semi-fixed resistor on PCB has already been adjusted to e obtained. Don't touch the semi-fixed resistor anyway. For instrument is necessary.	enable the most favorable pict readjustment, a special meas	ure to be uring	
(4)	Don't use this LCD video unit in a wet condition with dew ;	otherwise the unit may break	down.	
(5)	dle the polarizer with the greatest possible care since it is prone to be damage. Do not uce a hard, pointed article such as metallic tweezers to the polarizer and do not push or rub e polarizer with any foreign object.			
(6)	Be careful not to touch the polarizer with the bare hand. it with an absorbent cotton swab or a soft cloth by wiping use such chemicals as acetone, ethanol, toluene, isopropyl otherwise, a reaction phenomenon occurs and deterioration m	gently with petroleum benzine alcohol and so on for cleanin	e. Do not	
(7)	Also, if saliva or water droplets are left on the surface of it may become deformed or discolored. So, remove them righ		me,	
(8)	If the LCD panel has been broken and the liquid crystal sub or touching it. If the liquid crystal substance has contac quickly.	ostance has leaked out, avoid ted the skin or clothes, wash	inhaling it away	
(9)	The circuit substrate includes ICs which are very easily da So, handle the substrate with utmost care.	amaged by static electricity.		
(10)	Hount being careful not to put undue bend or twist on the u the circuit trouble as the case may be.	unit ; otherwise, LCD panel br	eaks or	
(11)	To protect LCD panel, especially the polarizer surface, put (for example, acrylic board or glass board) on the product	t a transparent protective boa case.	Ird	
(12)	Avoid keeping the unit in a humid place with high temperatu	ire.		
(13)	Do not expose the unit to direct sunlight.			
(14)	Take the proper steps to prevent any unnecessary pressure of	on the unit.		