

秘【Confidential】

**1page Spec Sheet
for
23.0" (58.42cm) LCD MONITOR**

MODEL NAME : MultiSync E232WMT

Ver 1.0

Date : 2014, Feb. 28th

Designed by : K. Fukushima, T. Egami

Checked by : ---

Approved by : H. Kasuga, Y. Mochizuki

1st ENGINEERING DEPARTMENT
MONITOR DEVELOPMENT DIVISION

NEC Display Solutions,Ltd.

08QV1LAN-N

REVISION HISTORY

Ver	Date	Description	Designed	Checked	Approved
1.0	February 28, 2014	Issue 1st revision.	—	—	—

LCD Product Specifications		MultiSync E232WMT										v1.0		28-Feb-14							
Model Variation	Model Name	Model Number	White/White		Silver/Silver		Black/Black		Head model White												
	North America:	E232WMT	L233QV				L233QV(1L)-BK(ANFC / 08QV1LAN														
	Europe:	E232WMT	L233QV		---		---		---												
	Japan:	---	---		---		---		---												
	China:	---	---		---		---		---												
	India:	---	---		---		---		---												
GTIN Code	UPC Code:	NEC Brand:	---		---		805736052374		---												
	EAN Code:	NEC Brand:	---		---		5028695110700		---												
	JAN Code:	NEC Brand:	---		---		---		---												
Manufacture place		PCB:	TPV		China		Country														
Set:		TPV	China		Country		China		Factory												
Mass Production Date		Mar-14																			
Launch Date		Apr-14																			
LCD Module	LCD Type:		AH-IPS LM230WF3-SLL1		(ex. S-IPS, PVA, TN etc)		Manufacturers: LGD														
	Active display area		Diagonal:		58.42 cm		23.0 in. (Panel size)		Horizontal:		50.92 cm		20.0 in.		Vertical:		28.64 cm		11.3 in.		
							23.0 in. (for Catalogue and Manual)														
	Dot pitch:		0.265 mm		(X.XXX mm) Significant figure																
	Brightness:		250 cd/m ² (Typ.)		Panel: 300 cd/m ²		---		cd/m ² (Max.)		---		200 cd/m ² (Min.)								
	Contrast Ratio:		1000 :1(Typ.)		---		(Max.)		---		600 :1(Min.)										
	Contrast Ratio(Dynamic):		15,000 :1(Typ.)																		
	Viewing Angle:		Up 85		Down 85		Right 85		Left 85		(10.1 Measurement Condition)				(5.1 Measurement Condition)						
			Up 85		Down 85		Right 85		Left 85												
	Display Colors:		16.7M		(8bit + FRC)		Color Depth: 6 bit		+ A-FRC		(6 bits / 8 bits / other () bits)										
	Color Gamut		72 % (typ)		vs NTSC																
	Maximum dot defect		8		Horizontal dot		1920		Vertical dot		1080		dot defect rate		0.00013						
	Back Light Type:		White LED		(ex. CCFL, LED etc)																
	Back Light / Power & Life:		2 ch.		pieces / ch.		Edge		Position (Direct backlight / Edge light)		current:		110 mA / ch.		Mercury content (ave)		(mm)		---		
	Pixel Pitch:		0.265 (H) mm		X 0.265 (V) mm																
	Response Time:		---		msec (typ) (White to black)		---		msec (typ) (Black to white)		---		msec (typ) (White to black+Black to white)								
			---		msec (max) (White to black)		---		msec (max) (Black to white)		---		msec (max) (White to black+Black to white)								
			---		msec (typ) (Gray to Gray) Over drive ON		1.4		msec (typ) (Gray to Gray) Over drive OFF												
			---		msec (max) (Gray to Gray) Over drive ON		25		msec (max) (Gray to Gray) Over drive OFF												
Recommended Use Distance:		16 in.		to 28 in.				Optimal Distance :		20 in.											
User Control		3 buttons Up, Down, Auto, Menu, Power																			
RGB Signal	Number of Input:		3				Input-1		VGA		Input-2		DVI-D (HDCP)		Input-3		HDMI (HDCP)				
	Input Connections:		D-SUB: Yes		DVI-I: No		DVI-D: Yes		DVI-A: No		BNC: No		DisplayPort		No		HDMI		Yes		
	Video Sync:		Analog 0.7Vp-p(75ohm)				Digital Input		TMDS												
			Yes		Separate sync: TTL Level (Positive/Negative)																
			No		Composite sync: TTL Level (Positive/Negative)																
			No		Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive)																
	Sync Range Horizontal:		31.5 KHz		to 81.1 KHz				31.5 KHz		to 81.1 KHz										
	Vertical:		56.0 Hz		to 76.0 Hz				56.0 Hz		to 76.0 Hz										
	Video band width / Pixel Clock:		25.0 MHz		to 165.0 MHz				25.0 MHz		to 165.0 MHz										
	Resolutions Supported:		No		640 x 400 @		---		Hz		to		---		Hz		to		---		
			Yes		720 x 400 @		70		Hz		to		---		Hz		to		---		
			Yes		640 x 480 @		60		Hz		to		75		Hz		to		75		
			Yes		800 x 600 @		56		Hz		to		75		Hz		to		75		
			Yes		832 x 624 @		75		Hz		to		---		Hz		to		---		
			Yes		1024 x 768 @		60		Hz		to		75		Hz		to		75		
			Yes		1152 x 864 @		75		Hz		to		---		Hz		to		---		
			Yes		1152 x 870 @		75		Hz		to		---		Hz		to		---		
			No		1280 x 960 @		---		Hz		to		---		Hz		to		---		
			Yes		1280 x 1024 @		60		Hz												