LCD Product Specifications | **Model: MultiSync P242W** | Format Rev. 2.2 Ver 1.0 Date : Mar. 13, 2013

Model Variation		Model Name	Model Number	White	Black					
World wide:	NEC Brand:	P242W	L242VN	L242VN(1L)-WH(W)NKC 08VN1LWU	L242VN(2L)-BK(W)NKC 08VN2LWU					
North America:	NEC Brand:	---	---	---	---					
				---	---					
Europe:	NEC Brand:	---	---	---	---					
	NEC Brand (EU production):			---	---					
Japan:	NEC Brand:	LCD-P242W	L242VN	L242VN(1L)-WH(J)NKC 08VN1LJU	L242VN(2L)-BK(J)NKC 08VN2LJU					
China:	NEC Brand:	P242W	L242VN	L242VN(1L)-WH(C)NKC 08VN1LCU	L242VN(2L)-BK(C)NKC 08VN2LCU					
Asia Pacific:	NEC Brand:	---	---	---	---					

GTIN Code	UPC Code:	NEC Brand:		---	805736046267					
				---	---	---	---			
	EAN Code:	NEC Brand:		5028695109926	5028695109933					
				---	---	---	---			
	JAN Code:	NEC Brand:		4541225006959	4541225006966					
				---	---	---	---			
Manufacture place	PCB:	Vender name		China	Country					
	Set:	Vender name		China	Country					
Mass Production Date		Mar. 2013								
Launch Date		Mar. 2013								

LCD Module	**LCD Type:**	IPS	(ex. S-IPS, PVA, TN etc)	**Manufacturer:**	LG Display					
	Size:	**Diagonal:**	61.1 cm	24.1 In.	**Horizontal:**	51.84 cm	20.4 In.	**Vertical:**	32.40 cm	12.8 In.
	Dot pitch:	0.270 mm	(X.XXX mm) Significant figure							
	Brightness:	350 cd/m^2 (Typ.)		280 cd/m^2 (Min.)	--- cd/m^2 (Typ.)@Uniformity ON(Lv5)	--- cd/m^2 (@Portrait Typ.)	about 200 cd/m^2 (shipment)			
							--- cd/m^2 (recomm)			
	Contrast Ratio:	1000 :1(Typ.)		--- :1(Max.)	700 :1(Min.)	--- :1(Typ.) @ColorComp ON				
	calibration capable brightness range:	50-280 cd/m2								
	Viewing Angle:	Up 89	Down 89	Right 89	Left 89	(10:1 Measurement Condition)				
		Up	Down	Right	Left	(5:1 Measurement Condition)				
	Display Colors:	16.7M colors	8 bits*	(6 bits / 8 bits / other ( ) bits)		Monitor can expand the number of color to 1073.7M when 10bit signal is input.				
	Color gamut	77 %	**sRGB cover ratio**	99.6 %	**AdobeRGB cover ratio**	--- %				
	Back Light / Power & Life:	3 string (W-LED)	Edge	Position (Direct backlight / Edge light)		**current:**	120 mA / strings	**Mercury content**	--- mg(/pieces) (max)	
	Pixel Pitch:	0.270 (H) mm	X 0.270 (V) mm		**Pixels per Inch :**	94 PPI				
	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)				
	(over drive OFF)	14 msec (typ) (Gray to Gray)	Gray step : 5 Step , the total average time at rising time and falling time for "Gray To Gray "							
	(over drive ON)	8 msec (typ) (Gray to Gray)	Gray step : 7 Step , the total average time at rising time and falling time for "Gray To Gray "							
	Uniformity OFF	1.33 (Max)		3.7 (Max) @Black Picture						
	Uniformity ON	1.1 (Typ) @Uniformity 5								
	Recommended Use Distance:	16 In. to	28 In.	**Optimal Distance :**	20 In.					
User Control		8 buttons Exit / </>/^/v/Select(Input1/2/3/4)/Reset/power switch.								

RGB Signal	**Number of Input:**	4	**Input-1:** DVI-D	**Input-2:** HDMI	**Input-3:** miniD-SUB15pin	**Input-4:** DisplayPort				
	Input Connections:	**D-SUB:** Yes	**DVI-I:** No	**DVI-D:** Yes	**DVI-A:** No	**DisplayPort:** Yes	**HDMI:** Yes			
		Analog Input				**Digital Input**				
	Video:	Analog 0.7Vp-p(75ohrm)				DVI / HDMI / DisplayPort				
	Sync:	Yes	Separate sync: TTL Level (Positive/Negative)							
		Yes	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	93.8 KHz and	118.4 KHz		31.5 KHz to	91.1 KHz and	118.4 KHz		
	Vertical:	50.0 Hz to	85.0 Hz			50.0 Hz to	85.0 Hz			
	Video band width / Pixel Clock:	25.2 MHz to	202.5 MHz			25.2 MHz to	162 MHz			
	Resolutions Supported:	No	640 x 400 @			Yes	640 x 400 @	70.0 Hz to	85.0 Hz	
		Yes	720 x 400 @	70.0 Hz to	85.0 Hz	Yes	720 x 400 @	70.0 Hz to	85.0 Hz	
		Yes	640 x 480 @	60.0 Hz to	85.0 Hz	Yes	640 x 480 @	60.0 Hz to	85.0 Hz	
		Yes	800 x 600 @	56.0 Hz to	85.0 Hz	Yes	800 x 600@	56.0 Hz to	85.0 Hz	
		Yes	832 x 624 @	75.0 Hz		Yes	832 x 624 @	75.0 Hz		
		Yes	1024 x 768 @	60.0 Hz to	85.0 Hz	Yes	1024 x 768 @	60.0 Hz to	85.0 Hz	
		Yes	1152 x 864 @	75.0 Hz		Yes	1152 x 864 @	75.0 Hz		
		Yes	1152 x 870 @	75.0 Hz		Yes	1152 x 870 @	75.0 Hz		
		Yes	1280 x 960 @	60.0 Hz		Yes	1280 x 960 @	60.0 Hz		
		Yes	1280 x 1024 @	60.0 Hz to	85.0 Hz	Yes	1280 x 1024 @	60.0 Hz to	85.0 Hz	
		Yes	1400 x 1050 @	60.0 Hz to	75.0 Hz	Yes	1400 x 1050 @	60.0 Hz to	75.0 Hz	
		Yes	1440 x 900 @	60.0 Hz to	85.0 Hz	Yes	1440 x 900 @	60.0 Hz to	85.0 Hz	
		Yes	1600 x 1200 @	60.0 Hz	75.0 Hz	Yes	1600 x 1200 @	60.0 Hz		
		Yes	1920 x 1200 @	60.0 Hz		Yes	1920 x 1200 @	60.0 Hz		
		No	2048 x 1536 @			No	2048 x 1536 @			
		Yes	960 x 1200 @	60.0 Hz Reduced Blanking		Yes	960 x 1200 @	60.0 Hz Reduced Blanking		
		Yes	1200 x 960 @	60.0 Hz Reduced Blanking		Yes	1200 x 960 @	60.0 Hz Reduced Blanking		
		Yes	1200 x 1920 @	60.0 Hz Reduced Blanking		Yes	1200 x 1920 @	60.0 Hz Reduced Blanking		
		No	720 x 480p @			Yes	720 x 480p @	60.0 Hz (HDMI)		CEA
		No	720 x 576p @			Yes	720 x 576p @	50.0 Hz (HDMI)		CEA
		Yes	1280 x 720p @	60.0 Hz		Yes	1280 x 720p @	50.0 Hz (HDMI) and	60.0 Hz	CEA
		Yes	1920 x 1080p @	50.0 Hz and	60.0 Hz	Yes	1920 x 1080p @	50.0 Hz and	60.0 Hz	CEA
	Recommended Resolution:	1920 x 1200	60 Hz Reduced Blanking			1920 x 1200	60 Hz Reduced Blanking			
	Maximum Resolution:	1920 x 1200				1920 x 1200				
	Number of Output:	---	**Output-1:** ---	**Output-2:** ---		**Output-3:** ---				
	Output Connections:	**D-SUB:** ---	**DVI-I:** ---	**DVI-D:** ---	**DVI-A:** ---	**BNC:** ---				
Expanding modes for lower resolutions:		Yes (selectable)	Full screen	Yes (selectable)	1:1 (pixel correct)	Yes (automatic)	keeping aspect ratio	(yes / no / automatic / selectable)		

Function	**Digital smooth:**	Yes								
	Digital control:	Yes								
	Color Control:	Yes								
	OSM :	Yes(L Shape)	ex. Text type		**OSM Languages :**	9Language / ENGLISH , DEUTSCH , FRANCAIS , ESPANOL , ITALIANO , SVENSKA , JAPANESE , RUSSIAN , CHINESE				
	OSM user menu:	Brightness ,Contrast,Color Control etc.								
	OSM factory menu:	Hours running,etc.								
	Plug and Play:	Yes	VESA DDC2B							
	DDC/CI:	Yes								
	USB:	Integrated	(integrated / Option / no)	2.0	(1.0 / 2.0)	2 Up	3 Down			
	RS-232C:	No								
	Speaker:	No	(integrated / Option / no)	--- W						
	Mic:	No	(integrated / Option / no)	**Audio Input:** ---		**Headphone Out:** ---				

Additional Features	Yes	**Tilt**	Yes	**Swivel**	Yes(150 mm)	**Height Adjust** (Yes (150. mm) / No)	Yes	**Pivot**		
	100x100	**VESA Mount** (100mm / 75mm / No)	No	**Vacation switch**	Yes	**14bit Gamma**	Yes	**ISO9241-307***		*: ISO13406-2 pixel fault is included
	Yes	**sRGB**	Yes	**OmniColor (Natural Color Matrix)**	No	**Auto Bright (Signal Input)**	Yes	**Color Temperature Mode**		in ISO9241-307
	No	**Adobe RGB**	Yes	**Sharpness/Softness**	Yes	**Sensor (illumination)**	Yes	**GammaCompQA applicable**		
	Yes	**NTAA** (Advanced / Yes / No)	Yes	**OffTimer (Count down)**	Yes	**Running Hours**	Yes	**Serial Number Display**		
	Yes	**Cable management**	Yes	**ClearType optimized**	No	**LiquidView** (CD / DL brochure)	No	**Auto DVI Selection**		
	Yes	**Sync Continuity Detection**	No	**SOG CABLE DELAY Compensation**	No	**Sync Compensation**	Yes	**RGB DELAY Compensation**		
	Yes	**Colorcomp**	Yes	**Eco-mode**	No	**Real time clock**	Yes	**HDCP**		
	Yes	**OverDrive**	Yes	**Diagnostic (heat/lamp failure)**	Yes	**Quick Release Stand**	Yes	**Hardware pivot**		
	No	**Sensor Caribration(Brightness ~~and color~~)**	Yes	**Picture Mode**	Yes	**Direct Key function**	Yes	**SpectraView2 applicable**		
	Yes	**PinP/PbyP**	Yes	**3D-LUT**	Yes	**10bit input (DisplayPort)**	No	**EDID Selection**		
Touch Panel Capability:	Yes	**Space forTouch Panel**	Yes	**Space for Control Pcb**	Yes	**Screw Hole to fix**	2pin type	**Connector for Power Supply**	(Only Hole)	**PC I/F** (Serial connector / only mechanical Hole etc.)

Dimensions	**Net (with stand):**	556.8 mm(W) x	378-528 mm(H) x	227.6 mm(D)	(21.9 in. (W) x	14.9-20.8 in. (H) x	9.0 in. (D))						
	Net (with stand /in Portrait Mode):	362.4 mm(W) x	572.4-625.2 mm(H) x	227.6 mm(D)	(14.3 in. (W) x	22.5-24.6 in. (H) x	9.0 in. (D))						
	Net (without stand):	556.8 mm(W) x	362.4 mm(H) x	85.0 mm(D)	(21.9 in. (W) x	14.3 in. (H) x	3.3 in. (D))						
	Gross (with carton box):	652.0 mm(W) x	505.0 mm(H) x	317.0 mm(D)	(25.7 in. (W) x	19.9 in. (H) x	12.5 in. (D))						
	Bezel width:	Top: 18.2 mm	Left: 18.2 mm	Right: 18.2 mm	Bottom: 18.2 mm								
		(Top: 0.72 in.	Left: 0.72 in.	Right: 0.72 in.	Bottom: 0.72 in.)								
	Bezel width(Active area to Out line):	Top: 19.2 mm	Left: 19.2 mm	Right: 19.2 mm	Bottom: 19.2 mm								
		(Top: 0.76 in.	Left: 0.76 in.	Right: 0.76 in.	Bottom: 0.76 in.)								
	Container loading Q'ty :	504 units/40ft	224 units/20ft										
	Height Adjustment range:	150.0 mm	(Portraite mode: 52.8mm)										
	Swivel:	Yes	Left 45 deg	Right 45 deg									
	Tilt:	Yes	Up 30 deg	Down 5 deg									
Weight	Net (with stand):	10.2 kg	22.5 lbs.	**Net (without stand):**	6.8 kg	15.0 lbs.							
	Gross (with carton box):	15.6 kg	34.4 lbs.										

Design Type	Monitor:	BOSTON	(LosAngeles / Innsbruck/etc)		Materials: PC/ABS 5VB												
	Carton Box design:	NEC-NA			NEC-EU				NEC-JPN				NEC-CHN				
		Single Color			Single Color				Single Color				Single Color				
		NEC-AP															

European Recyclin	**Category:**	G2	G2	G2	G2 Total	G5	G5	G5	G5	G5	G5	G5	G5 Total	Others	Others	Others	Others
	Description:	Carton Box	Carton Inlays	Carton Others	Carton Total	Plastic Inlays	Monitor bag	ower Cable b	signal Cable b	Manual bag	Protect Moist	ther Plastic Inlay	Plastics Total				
	Weight:	1800	0.0g	0.0g	1800.0g	433.0g	75.0g	8.0g	13.5g	8.3g	197.0g	167.0g	901.8g				
	Material:	Paper				EPS	PE	PE	PE	PE		EPE					
Power consumptio	**Power Supply:**	Built in	(Built in/external)			IEC	Connection type (IEC/Mickeymouse/Captive)										
	Current Rating:	0.83	A@100-120V		0.47	A@220-240V				----	Without Option			2.0A	A for NOM Reguration		
	Power consumption:	29.5	W (On mode typ.) without USB/Option			0.5*	W (Power saving mode (100-120/220-24			0.2	W (p-off) typ.(100-120/220-240V)			---	W (Vacation switch off) (100-120/220-240V		
		29.5	W (application value to TCO)														
	Eco mode	22.0	W (Eco mode1)			17.0	W (Eco mode2)										
	USB active:	39.5	W (On mode max.)			---	W (Power saving mode (100-120/220-240V))										
	USB sleeping:	---	W (On mode max)			1.0*	W (Power saving mode (100-120/220-240V))										
	Sound Bar active:	---	W (On mode max.)			---	W (On mode typ.)			---	W (Power saving mode (100-120/220-240V))						
	USB & Sound Bar active:	---	W (On mode max.)														
	Crest Factor:	> 2	@ 100V	without USB/Option		> 2	@230V	without USB/Option									
	Power Management:	Yes	VESA DPMS														
Environmental	**Oper. Temp:**	5	o C to	35	o C	41	o F to	95	o F)	Recommended working temp. 20 to 30 degC.							
	Oper. Humidity:	20	% to	80	%					Recommended working Humid. 40 to 60 %							
	Oper. Altitude:	5,000	m	16,400	Feet)					Recommended working Altitude 0 to 2000 m							
	Storage Temp:	-10	o C to	60	o C	14	o F to	140	o F)								
	Storage Humidity:	10	% to	85	%												
	Storage Altitude:	12,192	m	40,000	Feet)												
Regulatories & Compliance		Yes	**UL/C-UL or CSA**		Yes*	**NOM**		Yes	**VCCI (class2)**		No	**TCO '03 (WH / BK-Model)**		Yes	EnergyStar6.0	Yes	J-Moss
		Yes	**CE(EU)**		No	**IRAM**		Yes	**JIS C 61000-3-2**		Yes	**TCO Display6.0**		No	GEEA	Yes	Windows 7
		Yes	**Gost/PCT**		Yes	**TUV GS**		Yes	**Static electricty guideline**		N/A	**US.Mercury Regulations**		Yes	Green 購入	Yes	Windows 8
		Yes	**PSB**		Yes	**FCC CLASS B/CANADIAN**		Yes	**Low emission guideline**		Yes	**WEEE(EU)**		No	PCｸﾞﾘｰﾝﾗﾍﾞﾙ		
		Yes	**CCC (Wver & Cver)**		Yes	**C-tick**		Yes	**TUV-Ergonomie**		Yes	**RoHS(EU)**		No	JEITA VOC guideline		
		No	**BSMI**		Yes	**MPR III**		Yes	**ISO9241-307**								
		Yes	**CECP (Cver)**		Yes	**CEL (Wver, Cver)**		Yes	**ErP**		Yes	**SASO**		Yes	SB50		
	ISO13406-2*:	2	Pixel-failure class			4	Viewing direction class			1	Reflexion class (pos./neg.)						
	detailed pixel specs:	0	pixel defects			2	subpixel defects(Bright)			6	subpixel defects(Dark)						
	Others:	DEN-AN for Japan															
MTBF/MTTF	**MTBF LCD:**	53,230	(excluding backlight)		Method:	demonstration		(demonstration / MIL-217E / 217F / etc.)									
	MTTF Backlight:	30,000	(min)		Method:	MTTF		(demonstration / MIL-217E / 217F / etc.)									
	MTBF monitor:	49,967	(excluding LCD module)		Method:	MIL-217E		(demonstration / MIL-217E / 217F / etc.)			---	(excluding LCD module)		Method:	MIL-217F NOTICE2		
	MTBF total monitor:	---	(including all components)		Method:	MIL-217E		(demonstration / MIL-217E / 217F / etc.)			---	(including all components)		Method:	MIL-217F NOTICE2		
No																	
BTO (Built To Order) Optional product		Yes (SB Pro)	Sound Bar		No	External Calibration Sensor		Yes	SpectraView2		Yes	GammerCompMDQA		Yes	Hood (Landscape only)		
Limited Warranty		N.America - 4-year limited warr	Europe - 5 years or 30,000 hours including parts & backlight														

All of measurement condition is 20-25 deg.C, Aging time 40min.
PowerSaing : all connector removed
***: OFF MODE shipment setting "STD" OFF MODE "STD" value is measured at CN disconnecting.**
***USB sleep :USB suspend state**
x x x W(typ) al options active

*NOM: Applies in NDS-A.

*ISO13406-2 is count method of dot defects
It has been unified to ISO9241-307.

"X" : No / "O" or comment : Yes