

【秘密】 【Confidential】

General Spec for PC monitor

MODEL NAME :
DD-EA241W
DD-EA241WW

Version : 1.0
Date : Jun/25, 2025

Monitor Development Department
1st Development Division

Designed by :	<u>T.Miyake</u>	<u>S.Kurihara</u>
Checked by :	<u>-</u>	<u>-</u>
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Sharp NEC Display Solutions,Ltd.

Document Number: 07DV5LBN-N

REVISION HISTORY

Ver	Date	Description	Designed	Checked	Approved
1	2025/6/25	1st release	T.Miyake S.Kurihara	-	N.Kano

		Brand change Rev.1.0(Brand change) DD-EA241WW		Brand change Rev.1.0(Brand change) DD-EA241W		Brand change Rev.1.0(Brand change) DD-EA241W	
1. Destination-Color		Bver-WH		Bver-BK		Cver-BK	
1.1. Model Name/Brand/Platform/Color	Series name		MultiSync	MultiSync	MultiSync	MultiSync	
	Model name 形名		DD-EA241WW	DD-EA241W	DD-EA241W	DD-EA241W	
	Application name for agency 規格申請名		DD-EA241WW	DD-EA241W	DD-EA241W	DD-EA241W	
	Size information for spec list on Catalogue / Manual (cm)		61.13cm	61.13cm	61.13cm	61.13cm	
	Inch information for Carton box & EEI (inch)		24.1inch	24.1inch	24.1inch	24.1inch	
	Brand name ブランド名		SHARP	SHARP	SHARP	SHARP	
	Platform プラットフォーム		-	-	-	-	
	Color		White	Black	Black	Black	
1.2. Factory/Release date							
	Manufacturing	Factory 製造工場	TPV China	TPV China	TPV China	TPV China	
	Release	Year 発売年 Month 発売月	2025年 6月	2025年 6月	2025年 6月	2025年 7月	
1.3. Code/ID							
	Product code 商品コード (8桁)		07DV5LBN	07DV6LBN	07DV6LBN	07DV6LCN	
	Model number 型番		M248DV(5L)-WH(B)SHKC	M248DV(6L)-BK(B)SHKC	M248DV(6L)-BK(B)SHKC	M248DV(6L)-BK(C)SHKC	
	Model ID 形名ID		A3DDEA241WWE	A3DDEA241WBE	A3DDEA241WBE	A3DDEA241WBC	
	Panel code		L	L	L	L	
	Serial 3rd digit		S (Serial 2nd digit)	S (Serial 2nd digit)	S (Serial 2nd digit)	S (Serial 2nd digit)	
	Revision code		1A	1A	1A	1A	
	UPC		-	-	-	-	
	EAN		4550556177467	4550556177474	4550556177474	-	
	69 code		-	-	-	6970124394016	
	JAN		-	-	-	-	
	USB Vendor/Product ID	Vendor ID	0x04DD	0x04DD	0x04DD	0x04DD	
		Product ID	0xA01D	0xA01D	0xA01D	0xA01D	
		D-SUB	0x2651	0x2651	0x2651	0x2651	
		DVI-D	0x2652	0x2652	0x2652	0x2652	
	EDID Product code	HDMI1	0x2653	0x2653	0x2653	0x2653	
		HDMI2	-	-	-	-	
		miniDP(1.1a)	-	-	-	-	
		miniDP(1.1a, w/o sound)	-	-	-	-	
		DisplayPort(1.1a)	0x2654	0x2654	0x2654	0x2654	
		DisplayPort(1.1a, w/o sound)	0x2654	0x2654	0x2654	0x2654	
		DisplayPort(1.2, SST)	-	-	-	-	
		DisplayPort(1.2, SST, w/o sound)	-	-	-	-	
		DisplayPort(1.2, MST)	-	-	-	-	
		DisplayPort(1.2, MST, w/o sound)	-	-	-	-	
		USB-C(1.1a)	-	-	-	-	
		USB-C(1.1a, w/o sound)	-	-	-	-	
		USB-C(1.2, SST)	-	-	-	-	
		USB-C(1.2, SST, w/o sound)	-	-	-	-	
		USB-C(1.2, MST)	-	-	-	-	
		USB-C(1.2, MST, w/o sound)	-	-	-	-	
		HDMI1(2.0b)	-	-	-	-	
		DisplayPort(1.2)	-	-	-	-	
		DisplayPort(1.2 w/o sound)	-	-	-	-	
		USB-C(1.2)	-	-	-	-	
		USB-C(1.2, w/o sound)	-	-	-	-	
		HDMI1(2.0/HDR)	-	-	-	-	
		HDMI1(2.0)	-	-	-	-	
		HDMI1(1.4)	-	-	-	-	
		HDMI2(2.0/HDR)	-	-	-	-	
		HDMI2(2.0)	-	-	-	-	
		HDMI2(1.4)	-	-	-	-	
		DisplayPort1(1.2/HDR/with Sound)	-	-	-	-	
		DisplayPort1(1.2/with Sound)	-	-	-	-	
		DisplayPort1(1.2/without Sound)	-	-	-	-	
		DisplayPort2(1.2/HDR/with Sound)	-	-	-	-	
		DisplayPort2(1.2/with Sound)	-	-	-	-	
		DisplayPort2(1.2/without Sound)	-	-	-	-	
		USB-C	-	-	-	-	
		(4lane)(1.2/HDR/with Sound)	-	-	-	-	
		USB-C (4lane)(1.2/with Sound)	-	-	-	-	
		USB-C (4lane)(1.2/without Sound)	-	-	-	-	
		USB-C (4lane)(1.1a/with Sound)	-	-	-	-	
		USB-C (2lane)(1.2/HDR/with Sound)	-	-	-	-	
		USB-C (2lane)(1.2/with Sound)	-	-	-	-	
		USB-C (2lane)(1.2/without Sound)	-	-	-	-	
		USB-C	-	-	-	-	
2. Panel spec.							
2.1. Supplier/Model name							
	Panel Manufacturer パネル製造		LG Display	LG Display	LG Display	LG Display	
	Panel name パネル形名		LM240WUA-SSB1	LM240WUA-SSB1	LM240WUA-SSB1	LM240WUA-SSB1	
2.2. Size/Weight							
	Module size 外形寸法	Horizontal	528.20mm	528.20mm	528.20mm	528.20mm	
		Vertical	342.60mm	342.60mm	342.60mm	342.60mm	
		Depth Max.	12.50mm	12.50mm	12.50mm	12.50mm	
	Bezel to Bezel Area(Opening)	Horizontal	-	-	-	-	
		Vertical	-	-	-	-	
	Active Display Area 有効表示領域	Horizontal	518.40mm	518.40mm	518.40mm	518.40mm	
		Vertical	324.00mm	324.00mm	324.00mm	324.00mm	
	(Reference)	Diagonal (inch)	24.1inch	24.1inch	24.1inch	24.1inch	
	(Reference)	Diagonal (cm)	61.13cm	61.13cm	61.13cm	61.13cm	
	Weight 重量 (typ.)		2450g	2450g	2450g	2450g	
	Weight 重量 (Max.)		2600g	2600g	2600g	2600g	
2.3. Optical/Electrical							
	LC Driving method 液晶駆動方式		IPS	IPS	IPS	IPS	
	LC Driver Element 液晶駆動素子		a-Si TFT active matrix	a-Si TFT active matrix	a-Si TFT active matrix	a-Si TFT active matrix	
	Number of pixel	Horizontal	1920	1920	1920	1920	
		Vertical	1200	1200	1200	1200	
	Pixel pitch	Horizontal	0.270mm	0.270mm	0.270mm	0.270mm	
		Vertical	0.270mm	0.270mm	0.270mm	0.270mm	
	Pixel per inch	PPI	94	94	94	94	
	Maximum Dot defect		8	8	8	8	
	Dot defect rate		0.00012%	0.00012%	0.00012%	0.00012%	
	Vsync Frequency	Typ.	50-60Hz	50-60Hz	50-60Hz	50-60Hz	
	Back light	Element	LED	LED	LED	LED	
		Method	Bottom Edge	Bottom Edge	Bottom Edge	Bottom Edge	
	Back light control type		DC	DC	DC	DC	
	Operating Life Time		30000hour	30000hour	30000hour	30000hour	

	Luminance of White 全白輝度 (Panel specification)	Typ.	300cd/m ²	300cd/m ²	300cd/m ²
		Min.	250cd/m ²	250cd/m ²	250cd/m ²
	Brightness(calibration capable range)	Max.			
		Min.	300cd/m ²	300cd/m ²	300cd/m ²
	Contrast Ratio コントラスト比	Typ.	1000:1	1000:1	1000:1
		Min.	700:1	700:1	700:1
	Contrast Ratio (Dynamic)	Typ.	5000:1	5000:1	5000:1
		Min.	14.0ms	14.0ms	14.0ms
	Response time(G to G) (Response Improve: OFF)	Typ.	28.0ms	28.0ms	28.0ms
		Max.	6ms	6ms	6ms
	Response time(G to G) (Response Improve: ON)	Typ.	N/A	N/A	N/A
		Max.	-	-	-
	Response time(White to Black)	Typ.	-	-	-
		Max.	-	-	-
	Response time(Black to White)	Typ.	-	-	-
		Max.	-	-	-
	Response time(White to Black to white) TF+TR	Typ.	-	-	-
		Max.	-	-	-
	Color Gamut(Cover ration)	vs NTSC Typ.	73.1%	73.1%	73.1%
		vs sRGB Typ.	99.8%	99.8%	99.8%
		vs Adobe RGB Typ.	77.0%	77.0%	77.0%
	Color Gamut(Area ration)	vs NTSC Typ.	75.7%	75.7%	75.7%
		vs sRGB Typ.	106.9%	106.9%	106.9%
		vs Adobe RGB Typ.	79.3%	79.3%	79.3%
	Color Chromaticity	Rx Typ.	0.660	0.660	0.660
		Ry Typ.	0.332	0.332	0.332
		Gx Typ.	0.302	0.302	0.302
		Gy Typ.	0.613	0.613	0.613
		Bx Typ.	0.150	0.150	0.150
		By Typ.	0.063	0.063	0.063
		Wx Typ.	0.313	0.313	0.313
		Wy Typ.	0.329	0.329	0.329
		Rx/y, Gx/y, Bx/y Max.	Typ. + 0.03	Typ. + 0.03	Typ. + 0.03
		Rx Max.	0.690	0.690	0.690
		Ry Max.	0.362	0.362	0.362
		Gx Max.	0.332	0.332	0.332
		Gy Max.	0.643	0.643	0.643
		Bx Max.	0.180	0.180	0.180
		By Max.	0.093	0.093	0.093
		Wx Max.	0.343	0.343	0.343
		Wy Max.	0.359	0.359	0.359
		Rx/y, Gx/y, Bx/y Min.	Typ. - 0.03	Typ. - 0.03	Typ. - 0.03
		Rx Min.	0.630	0.630	0.630
		Ry Min.	0.302	0.302	0.302
		Gx Min.	0.272	0.272	0.272
		Gy Min.	0.583	0.583	0.583
		Bx Min.	0.120	0.120	0.120
		By Min.	0.033	0.033	0.033
		Wx Min.	0.283	0.283	0.283
		Wy Min.	0.299	0.299	0.299
	Viewing Angle(Typ.) (CR>=10)	Up	89degree	89degree	89degree
		Down	89degree	89degree	89degree
		Right	89degree	89degree	89degree
		Left	89degree	89degree	89degree
	Display colors	Bits	6bit+A-FRC	6bit+A-FRC	6bit+A-FRC
		Number of colors	16,777,216	16,777,216	16,777,216
	Surface treatment	Type	Anti-Glare	Anti-Glare	Anti-Glare
		Haze	25%	25%	25%
		Hardness	3H	3H	3H

2.4. Environment

Environmental rating 環境仕様	Storage Temp. Max.	60°C	60°C	60°C
	Storage Temp. Min.	-20°C	-20°C	-20°C
Storage humidity Max.	90%	90%	90%	90%
	Operation Temp. Max.	50°C	50°C	50°C
Operation Temp. Min.	0°C	0°C	0°C	0°C
	Operation humidity Max.	90%	90%	90%
Shock	X, Y axis direction	-	-	-
	Z axis direction	-	-	-
	Vibration	-	-	-
Portrait (without Stand)	Support	Yes	Yes	Yes
180 degree Monitor Rotation (without stand)	Support	Yes	Yes	Yes
Face up/down	Support	No	No	No
24H/7days	Support	No	No	No
Environmental Impact	Annual typical maximum operating carbon footprint	38.2kg	38.2kg	38.2kg
	Manufacturing carbon	47.3kg	47.3kg	47.3kg

3. Product spec.

3.1. Screen

Recommended resolution 推奨解 像度		1920x1200 (60Hz)	1920x1200 (60Hz)	1920x1200 (60Hz)
	Aspect ratio アスペクト比	16:10	16:10	16:10
Brightness 輝度	Maximum setting (Typ.)	300cd/m ²	300cd/m ²	300cd/m ²
	Maximum setting (Min.)	250cd/m ²	250cd/m ²	250cd/m ²
Shipping setting (Typ.)	200cd/m ²	200cd/m ²	200cd/m ²	200cd/m ²
	Minimum setting (Typ.)	50cd/m ²	50cd/m ²	50cd/m ²
Active area size 有効表示領域寸	Horizontal (mm)	518.4mm	518.4mm	518.4mm
	Horizontal (in.)	20.4in.	20.4in.	20.4in.
	Vertical (mm)	324.0mm	324.0mm	324.0mm
	Vertical (in.)	12.8in.	12.8in.	12.8in.
Screen size 画面サイズ	(cm)	61.13cm	61.13cm	61.13cm
	(in.)	24.1in.	24.1in.	24.1in.
Viewing Angle (CR>=10)	Up	89degree	89degree	89degree
	Down	89degree	89degree	89degree
	Right	89degree	89degree	89degree
	Left	89degree	89degree	89degree
Protection glass 保護ガラス		No	No	No
	Material			
	Thickness			
	Surface treatment			
	Transparency			
	Reflection			
	Hardness			
	Impact resistance			
	Haze			

3.2. Mechanical

3.2.2.1. Mechanical (IT/Pro, International System of Units)

Design Type	Monitor	Stockholm design	Stockholm design	Stockholm design
	Front cabinet	PC+ABS (94 5VB)	PC+ABS (94 5VB)	PC+ABS (94 5VB)
Material (Flame class)	Rear Cover	PC+ABS (94 5VB)	PC+ABS (94 5VB)	PC+ABS (94 5VB)
	Stand/Base	PC+ABS (94 V-0)	PC+ABS (94 V-0)	PC+ABS (94 V-0)
Color	Bezel	Whitish Gray	Pure Black	Pure Black
	Back cover	Whitish Gray	Pure Black	Pure Black
Cabinet gloss-level (Bezel / front of Stand)	Reflection value <=20degree	Yes	Yes	Yes
Net Dimensions	with stand, Landscape, Width(mm)	531.5mm	531.5mm	531.5mm
	(in.)	20.9in.	20.9in.	20.9in.
	with stand, Landscape, Height(Low)(mm)	365.3mm	365.3mm	365.3mm
	(in.)	14.4in.	14.4in.	14.4in.

		with stand, Landscape, Height(High)(mm)	515.3mm	515.3mm	515.3mm	
		(in.)	20.3in.	20.3in.	20.3in.	
		with stand, Landscape, Depth(mm)	250.0mm	250.0mm	250.0mm	
		(in.)	9.8in.	9.8in.	9.8in.	
		with stand, Portrait, Width(mm)	347.8mm	347.8mm	347.8mm	
		(in.)	13.7in.	13.7in.	13.7in.	
		with stand, Portrait, Height(Low)(mm)	549.6mm	549.6mm	549.6mm	
		(in.)	21.6in.	21.6in.	21.6in.	
		with stand, Portrait, Height(High)(mm)	613.4mm	613.4mm	613.4mm	
		(in.)	24.1in.	24.1in.	24.1in.	
		with stand, Portrait, Depth(mm)	250.0mm	250.0mm	250.0mm	
		(in.)	9.8in.	9.8in.	9.8in.	
		w/o stand, Landscape, Width(mm)	531.5mm	531.5mm	531.5mm	
		(in.)	20.9in.	20.9in.	20.9in.	
		w/o stand, Landscape, Height(mm)	347.8mm	347.8mm	347.8mm	
		(in.)	13.7in.	13.7in.	13.7in.	
		w/o stand, Landscape, Depth(mm)	47.6mm	47.6mm	47.6mm	
		(in.)	1.9in.	1.9in.	1.9in.	
		w/o stand, Portrait, Width(mm)	347.8mm	347.8mm	347.8mm	
		(in.)	13.7in.	13.7in.	13.7in.	
		w/o stand, Portrait, Height(mm)	531.5mm	531.5mm	531.5mm	
		(in.)	20.9in.	20.9in.	20.9in.	
		w/o stand, Portrait, Depth(mm)	47.6mm	47.6mm	47.6mm	
		(in.)	1.9in.	1.9in.	1.9in.	
		Net weight	with stand(kg)	6.7kg	6.7kg	6.7kg
			(lbs)	14.8lbs	14.8lbs	14.8lbs
			w/o stand(ka)	4.2kg	4.2kg	4.2kg
		Bezel width	(lbs)	9.3lbs	9.3lbs	9.3lbs
	Top(mm)		0.8mm	0.8mm	0.8mm	
	(in.)		0.03in.	0.03in.	0.03in.	
	Bottom(mm)		16.2mm	16.2mm	16.2mm	
	(in.)		0.64in.	0.64in.	0.64in.	
	Right(mm)		0.8mm	0.8mm	0.8mm	
	(in.)		0.03in.	0.03in.	0.03in.	
	Distance from panel active area to outside edae of bezel	Left(mm)	0.8mm	0.8mm	0.8mm	
		(in.)	0.03in.	0.03in.	0.03in.	
		Top(mm)	6.55mm	6.55mm	6.55mm	
		(in.)	0.26in.	0.26in.	0.26in.	
		Bottom(mm)	17.2mm	17.2mm	17.2mm	
		(in.)	0.68in.	0.68in.	0.68in.	
		Right(mm)	6.55mm	6.55mm	6.55mm	
	VESA mount	(in.)	0.26in.	0.26in.	0.26in.	
		Left(mm)	6.55mm	6.55mm	6.55mm	
		(in.)	0.26in.	0.26in.	0.26in.	
		Yes	Yes	Yes	Yes	
		Horizontal dimension	100mm	100mm	100mm	
		Vertical dimension	100mm	100mm	100mm	
		Number of holes	4pcs	4pcs	4pcs	
		Screw type	M4	M4	M4	
		Screw length	12.0mm	12.0mm	12.0mm	
		Mounting on a flexible arm	4directions (Landscape0°/180° Portraite -90°/+90°)	4directions (Landscape0°/180° Portraite -90°/+90°)	4directions (Landscape0°/180° Portraite -90°/+90°)	
		Low position VESA hole	No	No	No	
			Horizontal dimension	-	-	-
			Vertical dimension	-	-	-
		Height Adjustment	Yes	Yes	Yes	
			Landscape	150mm	150mm	150mm
	(in.)		5.9in.	5.91in.	5.91in.	
	Portrait		63.8mm	63.8mm	63.8mm	
	Swivel	(in.)	2.5in.	2.51in.	2.51in.	
		Yes	Yes	Yes	Yes	
		Left	170degree	170degree	170degree	
Tilt	Right	170degree	170degree	170degree		
	Yes	Yes	Yes	Yes		
Pivot	Up	35degree	35degree	35degree		
	Down	5degree	5degree	5degree		
Distance from display head(lowest position) to desk surface (with landscape)	Yes	Yes	Yes	Yes		
	Clockwise	90degree	90degree	90degree		
	Counterclockwise	90degree	90degree	90degree		
	Using standard VESA hole(mm)	17.5mm	17.5mm	17.5mm		
	(in.)	0.69in.	0.69in.	0.69in.		
	Using Low position VESA Display head to stand base	No	No	No		
	-	-	-	-		

3.3. Power						
	Power supply	Power source type	Built in	Built in	Built in	
		Connection type	IEC	IEC	IEC	
		Rated Voltage	AC100-240V	AC100-240V	AC100-240V	
		Rated Frequency	50/60Hz	50/60Hz	50/60Hz	
	Current rating	Rating @ 100V	0.90A	0.90A	0.90A	
		Rating @ 240V	0.50A	0.50A	0.50A	
	Crest factor	@100V				
		@230V				
	Power consumption	On mode Typ. (Factory setting)	15W	15W	15W	
		On mode Typ. (Brightness Max)	18W	18W	18W	
		On mode Max. (All function work)	42W	42W	42W	
		Apparent power(at 90VA	90VA	90VA	90VA	
		Apparent power(at 120VA	120VA	120VA	120VA	
		ECO mode*1* Power consumption	15W	15W	15W	
		ECO mode*1* Brightness range	0~70%	0~70%	0~70%	
		ECO mode*2* Power consumption	12W	12W	12W	
		ECO mode*2* Brightness range	0~30%	0~30%	0~30%	
		Power saving mode(for IT monitor)	0.28W	0.28W	0.28W	
		DC off(for IT monitor)	0.27W	0.27W	0.27W	
		Default setting of USB functionality(USB power)	n/a	n/a	n/a	
		Power supply	Power output 1	USB1	USB1	USB1
			Voltage(Max.)	5V	5V	5V
	Current(Max.)		900mA	900mA	900mA	
	Power		4.5W	4.5W	4.5W	
		Power output 2	USB2	USB2	USB2	

	Voltage(Max.)	900mA	5V	900mA	5V
	Current(Max.)	900mA	900mA	900mA	900mA
	Power	4.5W	4.5W	4.5W	4.5W
	Power output 3	USB3	USB3	USB3	USB3
	Voltage(Max.)	5V	5V	5V	5V
	Current(Max.)	900mA	900mA	900mA	900mA
	Power	4.5W	4.5W	4.5W	4.5W
	Power output 4	DP power(DPin)	DP power(DPin)	DP power(DPin)	DP power(DPin)
	Voltage(Max.)	3.3V	3.3V	3.3V	3.3V
	Current(Max.)	500mA	500mA	500mA	500mA
	Power	1.7W	1.7W	1.7W	1.7W
	Power output 5	n/a	n/a	n/a	n/a
	Voltage(Max.)				
	Current(Max.)				
	Power	0.0W	0.0W	0.0W	0.0W
	Power output 6	n/a	n/a	n/a	n/a
	Voltage(Max.)				
	Current(Max.)				
Power	0.0W	0.0W	0.0W	0.0W	
Power output 7	n/a	n/a	n/a	n/a	
Voltage(Max.)					
Current(Max.)					
Power	0W	0W	0W	0W	
3.4. EMI Class					
EMI Class		Class B	Class B	Class B	Class B
3.5. Usage environment					
	Storage environment 保管環境	Storage Temp. Max. (C)	60°C	60°C	60°C
		Storage Temp. Max. (F)	140F	140F	140F
		Storage Temp. Min. (C)	-10°C	-10°C	-10°C
		Storage Temp. Min. (F)	14F	14F	14F
		Storage humidity Max.	85%	85%	85%
		Storage humidity Min.	10%	10%	10%
		Storage Altitude (ft.)	40000ft	40000ft	40000ft
		Storage Altitude (m)	12192m	12192m	12192m
		Operation environment 動作環境	Operation Temp. Max. (C)	35°C	35°C
	Operation Temp. Max. (F)		95F	95F	95F
	Operation Temp. Min. (C)		5°C	5°C	5°C
	Operation Temp. Min. (F)		41F	41F	41F
	Operation humidity Max.		80%	80%	80%
	Operation humidity Min.		20%	20%	20%
	Operation Altitude (m)		5000m	5000m	5000m
	Operation Altitude (ft.)		16404ft	16404ft	16404ft
	24hours/7days usage		No	No	No
	3.6. Carton/Transport				
Design Type of Carton Box	WW ver.	WW(B,Cver)	WW(B,Cver)	WW(B,Cver)	
Material of Carton Box		Kraft linerboard and trifaced corrugated board (Double wall)	Kraft linerboard and trifaced corrugated board (Double wall)	Kraft linerboard and trifaced corrugated board (Double wall)	
Gross Dimensions	Gross Width (mm)	690.0mm	690.0mm	690.0mm	
	(in.)	27.2in.	27.17in.	27.17in.	
	Gross Height (mm)	460.0mm	460.0mm	460.0mm	
	(in.)	18.1in.	18.11in.	18.11in.	
Gross weight	Gross Depth (mm)	204.0mm	204.0mm	204.0mm	
	(in.)	8.0in.	8.03in.	8.03in.	
Gross weight	(kg)	9.0kg	9.0kg	9.0kg	
	(lbs)	19.8lb	19.8lb	19.8lb	
Container loading Q'ty	20R	352unit	352unit	352unit	
	40R	748unit	748unit	748unit	
	HC40ft	935unit	935unit	935unit	
Palletized(Max.)	Pallet Width	1390.0mm	1390.0mm	1390.0mm	
	Pallet Depth	1246.0mm	1246.0mm	1246.0mm	
	units/pallet/40ft	48units	48units	48units	
Stacking	units/pallet/HC40ft	60units	60units	60units	
	MAX layer at 1pallet	5units	5units	5units	
	Stacking limit by number (indicate to CARTON)	9units	9units	9units	
Transport condition	MAX layer at warehouse	10units	10units	10units	
	Need to always use				
3.7. Warranty/MTBF					
	Limited Warranty		3year(s)	3year(s)	3year(s)
	MTBF	excluding LCD module, MIL-217E(hours)	100000	100000	100000
		excluding LCD module, MIL-217F(hours)	-	-	-
		including all components, MIL-217E(hours)	-	-	-
		including all components, MIL-217E(hours)	-	-	-
		including all components, MIL-217F(hours)	-	-	-
4. Terminal & Slot					
4.1. Video terminal					
	Video input terminal	HDMI Input	HDMI(HDMI1.4)	HDMI(HDMI1.4)	HDMI(HDMI1.4)
			-	-	-
		DisplayPort Input	DisplayPort(DisplayPort)	DisplayPort(DisplayPort)	DisplayPort(DisplayPort)
			-	-	-
		DVI Input	DVI (DVI-D Single link)	DVI (DVI-D Single link)	DVI (DVI-D Single link)
			-	-	-
		VGA Input	D-SUB	D-SUB	D-SUB
			-	-	-
	Video output terminal	Number of terminal	4	4	4
		HDMI Output	-	-	-
		DisplayPort Output	-	-	-
			-	-	-
4.2. Audio terminal					
	Audio input terminal	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack	
		HDMI	HDMI	HDMI	
		DisplayPort	DisplayPort	DisplayPort	
			-	-	
	Audio output terminal	Number of Terminal	3	3	
			-	-	
4.3. USB terminal					
	USB Terminal	Upstream (to host)	USB1 (USB Type-B)	USB1 (USB Type-B)	USB1 (USB Type-B)
			-	-	-
			-	-	-
			-	-	-
		Number of terminal	1	1	1
		Downstream (to device)	USB1 (USB Type-A)	USB1 (USB Type-A)	USB1 (USB Type-A)
			USB2 (USB Type-A)	USB2 (USB Type-A)	USB2 (USB Type-A)
			USB3 (USB Type-A)	USB3 (USB Type-A)	USB3 (USB Type-A)
			-	-	-
		Number of terminal	3	3	3
		Other	-	-	-
			-	-	-

4.4. Communications terminal					
	Control Terminal	LAN	-	-	-
		Number of terminal	0	0	0
		USB	USB1 (USB Type-B)	USB1 (USB Type-B)	USB1 (USB Type-B)
			-	-	-
			-	-	-
		Number of terminal	1	1	1
		RS-232C	-	-	-
			-	-	-
		Number of terminal	0	0	0
		ControlSync in/out	Yes	Yes	Yes
		Connector type of ControlSync	Stereo Micro Jack	Stereo Micro Jack	Stereo Micro Jack
		Max number of connected sub monitor via ControlSync	5	5	5
		Other	-	-	-
	-	-	-		
Others	LAN-USB converter	-	-	-	
4.5. Slot					
	SD card slot	Number of slot	-	-	-
	Interface for extended options		0	0	0
			-	-	-
5. In-out signal					
5.1. Analog RGB input					
	Terminal 1	Terminal name	D-SUB	D-SUB	D-SUB
		Connector type	VGA	VGA	VGA
		Max Resolution	1920x1200@60	1920x1200@60	1920x1200@60
		Horizontal frequency Max.	~77.0kHz	~77.0kHz	~77.0kHz
		Horizontal frequency Min.	31.5kHz~	31.5kHz~	31.5kHz~
		Vertical frequency Max.	~60Hz	~60Hz	~60Hz
		Vertical frequency Min.	50Hz~	50Hz~	50Hz~
		Video clock frequency	~205MHz	~205MHz	~205MHz
		Video clock frequency Min.	25MHz~	25MHz~	25MHz~
		Video Signal Level	0.7Vp-p	0.7Vp-p	0.7Vp-p
		Video Signal Impedance	75ohm	75ohm	75ohm
		Separate sync: TTL Level	Yes	Yes	Yes
		Composite sync: TTL Level	Yes	Yes	Yes
		Sync on Green: 0.3Vp-p	-	-	-
		negative	Yes	Yes	Yes
Color type	RGB	RGB	RGB		
DDC/CI	Yes	Yes	Yes		
5.2. DVI input					
	Terminal 1	Terminal name	DVI	DVI	DVI
		Connector type	DVI-D	DVI-D	DVI-D
		Max Resolution	1920x1200@60	1920x1200@60	1920x1200@60
		Horizontal frequency Max.	~77.0kHz	~77.0kHz	~77.0kHz
		Horizontal frequency Min.	31.5kHz~	31.5kHz~	31.5kHz~
		Vertical frequency Max.	~60Hz	~60Hz	~60Hz
		Vertical frequency Min.	50Hz~	50Hz~	50Hz~
		Dot clock frequency Max.	~205MHz	~205MHz	~205MHz
		Dot clock frequency Min.	25MHz~	25MHz~	25MHz~
		Interface	No	No	No
		Color type	RGB	RGB	RGB
		Dual-Link	No	No	No
		HDCP	1.4	1.4	1.4
		DDC/CI	Yes	Yes	Yes
		5.3. HDMI input			
	Terminal 1	Terminal name	HDMI	HDMI	HDMI
		Connector type	HDMI (Type A)	HDMI (Type A)	HDMI (Type A)
		Max Resolution	1920x1200@60	1920x1200@60	1920x1200@60
		Horizontal frequency Max.	~77.0kHz	~77.0kHz	~77.0kHz
		Horizontal frequency Min.	31.5kHz~	31.5kHz~	31.5kHz~
		Vertical frequency Max.	~60Hz	~60Hz	~60Hz
		Vertical frequency Min.	50Hz~	50Hz~	50Hz~
		Dot clock frequency Max.	~205MHz	~205MHz	~205MHz
		Dot clock frequency Min.	25MHz~	25MHz~	25MHz~
		Interface	No	No	No
		HDMI version	1.4	1.4	1.4
		Color type	RGB/YUV(4:4:4/2:2)	RGB/YUV(4:4:4/2:2)	RGB/YUV(4:4:4/2:2)
		Deep Color	No	No	No
		HDCP ver.	1.4	1.4	1.4
		CEC	No	No	No
	Terminal 2	Terminal name	-	-	-
		Connector type	-	-	-
		Max Resolution	-	-	-
		Horizontal frequency Max.	~	~	~
		Horizontal frequency Min.	~	~	~
		Vertical frequency Max.	~	~	~
		Vertical frequency Min.	~	~	~
		Dot clock frequency Max.	~	~	~
		Dot clock frequency Min.	~	~	~
		Interface	-	-	-
		HDMI version	-	-	-
		Color type	-	-	-
		Deep Color	-	-	-
		HDCP	-	-	-
		CEC	-	-	-
5.4. DisplayPort input					
	Terminal 1	Terminal name	DisplayPort	DisplayPort	DisplayPort
		Connector type	DisplayPort	DisplayPort	DisplayPort
		Max Resolution	1920x1200@60	1920x1200@61	1920x1200@62
		Horizontal frequency Max.	~77.0kHz	~77.0kHz	~77.0kHz
		Horizontal frequency Min.	31.5kHz~	31.5kHz~	31.5kHz~
		Vertical frequency Max.	~60Hz	~60Hz	~60Hz
		Vertical frequency Min.	50Hz~	50Hz~	50Hz~
		Dot clock frequency Max.	~205MHz	~205MHz	~205MHz
		Dot clock frequency Min.	25MHz~	25MHz~	25MHz~
		DisplayPort Version	1.1a	1.1a	1.1a
		Color type	RGB(8bit)	RGB(8bit)	RGB(8bit)
		Bit rate	RBR/HBR	RBR/HBR	RBR/HBR
		MST	No	No	No
		HDCP	1.3	1.3	1.3
	Terminal 2	Terminal name	-	-	-
		Connector type	-	-	-
		Max Resolution	-	-	-
		Horizontal frequency Max.	~	~	~
		Horizontal frequency Min.	~	~	~
		Vertical frequency Max.	~	~	~
		Vertical frequency Min.	~	~	~
		Dot clock frequency Max.	~	~	~
		Dot clock frequency Min.	~	~	~
		DisplayPort Version	-	-	-
		Color type	-	-	-
		Bit rate	-	-	-
		MST	-	-	-
		HDCP	-	-	-
	Terminal 3	Terminal name	-	-	-
		Connector type	-	-	-
		Max Resolution	-	-	-
		Horizontal frequency Max	~	~	~

		Horizontal frequency Min.	~	~	~		
		Vertical frequency Max.	~	~	~		
		Vertical frequency Min.	~	~	~		
		Dot clock frequency Max.	~	~	~		
		Dot clock frequency Min.	~	~	~		
		DisplayPort Version	-	-	-		
		Color type	-	-	-		
		Bit rate	-	-	-		
		MST	-	-	-		
		HDCP	-	-	-		
5.5. Audio input							
	Analog Audio	Terminal	Audio IN	Audio IN	Audio IN		
		Connector type	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack		
	Digital Audio (HDMI)	Support Signal	Stereo 0.5Vrms, L/R	Stereo 0.5Vrms, L/R	Stereo 0.5Vrms, L/R		
		Terminal	HDMI	HDMI	HDMI		
Digital Audio (DisplayPort)	Support Signal	PCM 32, 44.1, 48KHz (16, 20, 24bit),	PCM 32, 44.1, 48KHz (16, 20, 24bit),	PCM 32, 44.1, 48KHz (16, 20, 24bit),			
	Terminal	DisplayPort	DisplayPort	DisplayPort			
	Support Signal	PCM 32, 44.1, 48KHz (16, 20, 24bit),	PCM 32, 44.1, 48KHz (16, 20, 24bit),	PCM 32, 44.1, 48KHz (16, 20, 24bit),			
	5.6 Support timings (for User's manual)						
		640 x 480	60Hz (p)	Yes	Yes		
		640 x 480	67Hz (p)	No	No		
		640 x 480	72Hz (p)	No	No		
		640 x 480	75Hz (p)	No	No		
		720 x 400	70Hz (p)	No	No		
		720 x 480	60Hz (p)	Yes	Yes		
		720 x 480	60Hz (i) HDMI only	No	No		
		720 x 576	50Hz (p)	Yes	Yes		
		720 x 576	50Hz (i) HDMI only	No	No		
		800 x 600	56Hz (p)	Yes	Yes		
		800 x 600	60Hz (p)	Yes	Yes		
		800 x 600	72Hz (p)	No	No		
		800 x 600	75Hz (p)	No	No		
		1024 x 768	60Hz (p)	Yes	Yes		
		1024 x 768	70Hz (p)	No	No		
		1024 x 768	75Hz (p)	No	No		
		1280 x 720	24Hz (p)	No	No		
		1280 x 720	25Hz (p)	No	No		
		1280 x 720	30Hz (p)	No	No		
		1280 x 720	50Hz (p)	Yes	Yes		
		1280 x 720	60Hz (p)	Yes	Yes		
		1280 x 960	60Hz (p)	Yes	Yes		
		1280 x 960	75Hz (p)	No	No		
		1280 x 1024	60Hz (p)	Yes	Yes		
		1280 x 1024	75Hz (p)	No	No		
		1280 x 1440	60Hz (p) for Multi picture	No	No		
		1440 x 900	60Hz (p)	Yes	Yes		
		1600 x 1200	60Hz (p)	Yes	Yes		
		1680 x 1050	60Hz (p)	Yes	Yes		
		1920 x 1080	24Hz (p)	No	No		
		1920 x 1080	25Hz (p)	No	No		
		1920 x 1080	30Hz (p)	No	No		
		1920 x 1080	50Hz (p)	Yes	Yes		
		1920 x 1080	60Hz (p)	Yes	Yes		
		1920 x 1080	50Hz (i)	No	No		
		1920 x 1080	60Hz (i)	No	No		
		1920 x 1200	60Hz (p)	Yes(Recommend)	Yes(Recommend)		
		1920 x 2160	60Hz (p) for Multi picture	No	No		
		2560 x 1440	60Hz (p)	No	No		
		3840 x 2160	60Hz (p)	No	No		
		3840 x 2160	30Hz (p)	No	No		
		4096 x 2160	60Hz (p)	No	No		
		6. Output signal					
		6.1. HDMI output					
			Terminal 1	Terminal name	-	-	-
				Connector type	-	-	-
				Signal that can be output	-	-	-
				HDCP	-	-	-
				Daisy Chain Support	-	-	-
				Max number of connections w/o HDCP	-	-	-
Max number of connections with HDCP	-			-	-		
6.2. DisplayPort output							
	Terminal 1	Terminal name	-	-	-		
		Connector type	-	-	-		
		Signal that can be output	-	-	-		
		DisplayPort Version	-	-	-		
		HDCP	-	-	-		
		Daisy Chain Support (DP or USB-C)	-	-	-		
		Max number of connections in MST, w/o HDCP	-	-	-		
		Max number of connections in MST, with HDCP	-	-	-		
		Max number of connections in SST, w/o HDCP	-	-	-		
		Max number of connections in SST, with HDCP	-	-	-		
		Daisy Chain Support (DP or USB-C)	-	-	-		
		Max number of connections in MST, w/o HDCP	-	-	-		
		Max number of connections in MST, with HDCP	-	-	-		
		Max number of connections in SST, w/o HDCP	-	-	-		
		Max number of connections in SST, with HDCP	-	-	-		
		6.3. Audio output					
	Terminal 1	Terminal name	HEAD PHONE OUT	HEAD PHONE OUT	HEAD PHONE OUT		
		Connector type	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack		
		Analog/Digital	Analog	Analog	Analog		
		Signal	Stereo L/R	Stereo L/R	Stereo L/R		
6.4. Speaker							
	Integrated Speaker	Support	Yes	Yes	Yes		
		Spec	Stereo 1W + 1W	Stereo 1W + 1W	Stereo 1W + 1W		
	Option Speaker	Support	No	No	No		
		Spec	Not support	Not support	Not support		
7. Function							
7.1. User Interface							
	Multi-lingual OSD	Support	Yes	Yes	Yes		
		Languaques	English	English	English		
			German	German	German		
			French	French	French		
			Spanish	Spanish	Spanish		
			Italian	Italian	Italian		
			Swedish	Swedish	Swedish		
			Russian	Russian	Russian		
			Chinese	Chinese	Chinese		
			Japanese	Japanese	Japanese		
			-	-	-		
			-	-	-		
			-	-	-		
			-	-	-		

	Control key	Number of support	9	9	9
		Support	Yes, Integrated	Yes, Integrated	Yes, Integrated
		Button Type	Touch key(Capacitive)	Touch key(Capacitive)	Touch key(Capacitive)
		Buttons	INPUT	INPUT	INPUT
			MENU	MENU	MENU
			<	<	<
			>	>	>
			V	V	V
			Λ	Λ	Λ
			ECO	ECO	ECO
POWER	POWER		POWER		
Number of buttons	8	8	8		
IR Remote control	Support	No	No	No	
7.2. Connectivity with external equipment					
USB hub	Support	Yes, Integrated	Yes, Integrated	Yes, Integrated	
	Version	3.1 Gen1	3.1 Gen1	3.1 Gen1	
USB - Connect to storage device	Support	No	No	No	
	USB Version	No	No	No	
USB - Display Control by PC	Support	Yes	Yes	Yes	
	USB Version	2.0	2.0	2.0	
USB Power Delivery	Support	No	No	No	
	Power Delivery Revision	No	No	No	
	Power Delivery Alternative Mode	Not support	Not support	Not support	
SD / microSD	SD card support	No	No	No	
	SDHC card support	No	No	No	
	SDXC card support	No	No	No	
	microSD card support	No	No	No	
	microSDHC card support	No	No	No	
	microSDXC card support	No	No	No	
RS-232C	Input	No	No	No	
	Daisy chain	No	No	No	
LAN	10 BASE-T support	No	No	No	
	100 BASE-TX support	No	No	No	
	1000 BASE-T support	No	No	No	
	Support protocol	Not support	Not support	Not support	
Wired Remote (mini pin jack)	Input (Gray connector)	No	No	No	
	Output (Black connector)	No	No	No	
Microphone	Support	No	No	No	
Headphone	Support	Yes	Yes	Yes	
ControlSync®	ControlSync input (Gray connector)	Yes	Yes	Yes	
	ControlSync output (Black connector)	Yes	Yes	Yes	
	Slave monitors qty.(Max.)	5	5	5	
	Support by VESA DDC2Bi	Yes	Yes	Yes	
Plug and Play	Support by DDC/Ci	Yes	Yes	Yes	
	Support by DisplayPort	Yes	Yes	Yes	
7.3. Picture control					
Color control	Support	Yes	Yes	Yes	
	SpectraView Engine	No	No	No	
Local dimming	Generation				
	Support	No	No	No	
Picture Mode	Switch ON/OFF				
	Number of partitions, Horizontal				
	Number of partitions, Total number of Control Blocks				
	Support	Yes	Yes	Yes	
	Available modes	9300	9300	9300	
Expanding modes for lower resolutions		8200	8200	8200	
		7500	7500	7500	
		sRGB(6500K)	sRGB(6500K)	sRGB(6500K)	
		5000K	5000K	5000K	
		NATIVE	NATIVE	NATIVE	
		L/B(Low blue light)	L/B(Low blue light)	L/B(Low blue light)	
		DICOM SIM.	DICOM SIM.	DICOM SIM.	
		PROGRAMMABLE	PROGRAMMABLE	PROGRAMMABLE	
Full screen	Full screen	Selectable	Selectable	Selectable	
	1:1 (pixel correct)	n/a	n/a	n/a	
	Normal (Keeping aspect)	Selectable	Selectable	Selectable	
	Wide (Expands a 16:9 letter box signal)	n/a	n/a	n/a	
	Dynamic (Expand 4:3 pictures and cut off the outside)	n/a	n/a	n/a	
	Custom zoom (Keeping aspect ratio and zoom)	n/a	n/a	n/a	
Frame Comp	Support	No	No	No	
Edge Comp	Support	No	No	No	
Picture In Picture	Support	No	No	No	
Picture By Picture	Support	No	No	No	
Tile Matrix	Picture by Picture(AUTO)	No	No	No	
	Support	No	No	No	
Max number		No	No	No	
7.4. Schedule/Timer					
Real time clock	Support	No	No	No	
	Scheduler	No	No	No	
	Off Timer	Yes	Yes	Yes	
	Power on delay	No	No	No	
7.5. Reliability					
Running Hours Indicate	Support	Yes	Yes	Yes	
	Self diagnostic	No	No	No	
	Notification method	n/a	n/a	n/a	
7.6. Power saving					
VESA DPMS	Compliant	Yes	Yes	Yes	
	Support	Yes, by integrated sensor	Yes, by integrated sensor	Yes, by integrated sensor	
Ambient light sensor	Default setting	OFF	OFF	OFF	
	Support	Yes, by integrated sensor	Yes, by integrated sensor	Yes, by integrated sensor	
Human detective sensor	Sensor type	Proximity Sensor	Proximity Sensor	Proximity Sensor	
	Default setting	OFF	OFF	OFF	
	detective	1.5m	1.5m	1.5m	
	Sleep mode power(Human sensor1)	11W	11W	11W	
	Sleep mode power(Human sensor2)	3W	3W	3W	
Vacation switch		No	No	No	
	Location	n/a	n/a	n/a	
7.7. Touch panel					
Touch panel capability	Support	No	No	No	
	Prepare space for Touch Panel	n/a	n/a	n/a	
	Prepare space for Control PCBA	n/a	n/a	n/a	
	Prepare screw hole to fix	n/a	n/a	n/a	
	Prepare connector for Power supply	n/a	n/a	n/a	

	Integrated Touch panel	Prepare I/F to PC	n/a	n/a	n/a
		Support	No	No	No
		Sensor vendor	n/a	n/a	n/a
		Sensor product name	n/a	n/a	n/a
		Method	n/a	n/a	n/a
		Resolution	n/a	n/a	n/a
		Touch accuracy	n/a	n/a	n/a
		Multi-touch	n/a	n/a	n/a
		Interface	n/a	n/a	n/a
		Operating System	n/a	n/a	n/a
7.8. Shipment setting					
	DV MODE	DYNAMIC	DYNAMIC	DYNAMIC	
	ECO MODE	OFF	OFF	OFF	
	Uniformity Correction	n/a	n/a	n/a	
	Response improve	ON	ON	ON	
8. Bundled items					
8.1. Power cord/AC adapter					
	AC adapter	No	No	No	
	AC POWER CORD (US type)	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	AC POWER CORD (EU type)	Yes	Yes	No	
	Length	1.8m	1.8m	n/a	
	Color	Gray	Black	n/a	
	AC POWER CORD (Ch type)	No	No	Yes	
	Length	n/a	n/a	1.8m	
	Color	n/a	n/a	Black	
	AC POWER CORD (JP type)	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	AC POWER CORD (UK type)	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	AC POWER CORD (Au type)	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	AC POWER CORD (India type)	No	No	n/a	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
8.2. Accessory					
	Remote Control Unit	No	No	No	
	AA Battery x2	No	No	No	
	AAA Battery x2	No	No	No	
	VGA - VGA cable	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	VGA - DVI-A cable	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	DVI-D - DVI-D cable	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	DisplayPort to DisplayPort cable	Yes	Yes	Yes	
	Length	1.8m	1.8m	1.8m	
	Color	Gray	Black	Black	
	DisplayPort mini to DisplayPort cable	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	HDMI to HDMI cable	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	USB-A to USB-B cable	Yes(Ver3.1 Gen1)	Yes(Ver3.1 Gen1)	Yes(Ver3.1 Gen1)	
	Length	1.8m	1.8m	1.8m	
	Color	Gray	Black	Black	
	USB-C to USB-C cable	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	Audio cable(φ 3.5mm stereo mini plug)	No	No	No	
	Length	n/a	n/a	n/a	
	Color	n/a	n/a	n/a	
	ControlSync cable(φ 2.5mm stereo micro plug)	Yes	Yes	Yes	
	Length	1.8m	1.8m	1.8m	
	Color	Gray	Black	Black	
	Stand base	Yes	Yes	Yes	
	Color	White	Black	Black	
	Stand Neck	No	No	No	
	Color	n/a	n/a	n/a	
	Cable holder	Yes	Yes	Yes	
	Color	White	Black	Black	
	VESA plate(Bracket)	No	No	No	
	Plate Color	n/a	n/a	n/a	
	Screw quantity	n/a	n/a	n/a	
	Screw Color	n/a	n/a	n/a	
	Cap for DPout (Attached to monitor)	No	No	No	
	Cap for USB host (Attached to monitor)	No	No	No	
	Fixture	No	No	No	
Clamper and Screw	n/a	n/a	n/a		
Number of Clamper & Wall mount screw with washer	No	No	No		
Size of Wall mount screw & washer	n/a	n/a	n/a		
Color of Wall mount screw & washer	n/a	n/a	n/a		
Number of Wall mount screw & washer	n/a	n/a	n/a		
8.3. Attached document					
	CD-ROM (Software & Documentation)	No	No	No	
	Paper Manual	No	No	No	
	Paper Manual Full (A ver)	No	No	No	
	Paper Manual Full (B ver)	No	No	No	
	Paper Manual Full	No	No	No	
	Paper Manual Full (W ver)	No	No	No	
	Paper Manual 1sheet type (Taiwan, Korea) (W ver)	No	No	No	
	Paper Manual Full (RU, BY, KZ) (W ver)	No	No	No	
	Setup Manual	Yes(Bver)	Yes(Bver)	Yes(Cver)	
	Setup Manual (1st)	No	No	No	
	Setup Manual (2nd)	No	No	No	
	Setup Manual (3rd)	No	No	No	
	Contents sheet	No (shown in another sheet)	No (shown in another sheet)	No (shown in another sheet)	
	Contents sheet (1st)	No	No	No	
	Contents sheet (2nd)	No	No	No	
	Addendum sheet for head only model	No	No	No	
	Addendum sheet (1st)	No	No	No	
	Addendum sheet (2nd)	No	No	No	
	California Proposition sheet	No	No	No	
	Setting info sheet	No	No	No	
Warranty Card	No	No	No		
Warranty Sheet (US)	No	No	Yes(CH NEC)		
Warranty Card (JP/CH)	No	No	No		
NaViSet Administrator 2 flyer	No	No	No		

	Sheet for regulation	EEI label and EEI SHEET	Yes (with Fiche)	Yes (with Fiche)	No
		UK EEI label and UK EEI SHEET	Yes (with Fiche)	Yes (with Fiche)	No
		UK EEI Fiche	No	No	No
		UK Import Information	No	No	No
		CE Information Sheet	No	No	No
		IEC62368-1 GND Sheet	No	No	No
		EnergyStar 8.0 sheet	No (shown in another sheet)	No (shown in another sheet)	No (shown in another sheet)
		WEEE sheet	No	No	No
	CEL Sheet		No	No	No
	Factory Calibration and Verification Report		No	No	No
	Addendum sheet for head angle limitation		No (shown in another sheet)	No (shown in another sheet)	No (shown in another sheet)
	Sheet for USB setting		No	No	No
	Company name change notice sheet		No	No	No
9. Regulation					
9.1. Safety					
	UL/C-UL (US/Canada)		Yes	Yes	Yes
	TUV-GS		Yes	Yes	Yes
	ProdSG(Germany)		Yes	Yes	No
	CB Report		Yes	Yes	Yes
	PSB (Singapore)		Yes	Yes	No
	NOM (Mexico)		No	No	No
		Rating label	n/a	n/a	n/a
	IRAM or TUV Argentina S (Argentina)		No	No	No
	India BIS		Yes(Running change)	Yes(Running change)	No
	SASO (Saudi Arabia)		No	No	No
9.2. Safety+EMC					
	CE Marking (EU)		Yes	Yes	Yes
	CCC (China)		Yes	Yes	Yes
	EAC (Russia)		No	No	No
	BSMI (Taiwan)		No	No	No
	KC (Korea)		No	No	No
	MSIP (Korea)		No	No	No
	S-TUV or S-JQA (Japan)		No	No	No
	電安法/PSE Japan safety		No	No	No
			-	-	-
			-	-	-
9.3. EMC					
	FCC/ICES-003 (US/Canada)		Yes	Yes	Yes
	FCC/BTS7 (US/Canada_for RCM (Australia/New Zealand)		n/a	n/a	n/a
	VCCI (Japan)		Yes(Running change)	Yes(Running change)	Yes(Running change)
	電源高調波 JIS C61000-3-2		No	No	No
	JEIDA静電気がイトライン (Japan)		No	No	No
	JEIDA低周波がイトライン (Japan)		No	No	No
	JEITA IT-3001A (Immunity)		No	No	No
			-	-	-
			-	-	-
			-	-	-
9.4. Ergonomics					
	TUV-Ergonomics (Germany)		Yes	Yes	Yes
	ISO9241-307		Yes	Yes	Yes
		Pixel-failure class	I	I	I
		Reflection class (pos./neg.)	-	-	-
	TCO Certified Displays (Sweden)		Yes(9.0)	Yes(9.0)	Yes(9.0)
	TCO Certified Edge Displays (Sweden)		Yes(8.0)	Yes(8.0)	Yes(8.0)
	JEITAバックライトライン (Japan)		No	No	No
	TUV Flicker Free		Yes	Yes	Yes
		Back light control	DC control	DC control	DC control
	TUV Low Blue light		Yes	Yes	Yes
		Low Blue Light(Reduction ratio from "Native" to "L/B"	45%	45%	45%
	TUV Color Accuracy		No	No	No
9.5. Environmental					
	U.S. Mercury regulations		n/a	n/a	n/a
	EPEAT		No	No	No
	SB50 (US California)		No	No	No
	Batteries Directive 2006/66/EC (EU)		No	No	No
	WEEE(EU)		Yes	Yes	Yes
	India E-waste		Yes	Yes	No
	ErP Lot 5 (TV, TV monitor) (EU)		Yes	Yes	No
	ErP Lot 7 (External Power)		No	No	No
	ErP Lot 6 (EU)		Yes	Yes	Yes
	ErP Lot 26 (EU)		Yes	Yes	Yes
	ECMA-370(EU)		Yes	Yes	No
	REACH		Yes	Yes	Yes
	RoHS(EU)		Yes	Yes	Yes
	Chinese RoHS		Yes	Yes	Yes
	Turkish RoHS		Yes	Yes	No
	Ukrainian RoHS		No	No	No
	UAE RoHS		No	No	No
	EAEU RoHS		No	No	No
	グリーン購入法 (Japan)		No	No	No
	エコマーク (Japan)		No	No	No
	PCグリーンラベル (Japan)		No	No	No
	JEITA VOCがイトライン (Japan)		No	No	No
	JIS-C-0950 J-Moss (Japan)		No	No	No
	PCRサイクル法 (Japan)		No	No	No
	容器包装リサイクル法/段ボールリサイクル協議会マーク (Japan)		No	No	No
	Containers and Packing Recycling Law (China)		No	No	Yes
	Containers and Packing Recycling Law (Russia)		No	No	No
	Containers and Packing Recycling Law (Korea)		No	No	No
	Der Grüne Punkt (Germany)		Yes	Yes	No
	NECエコシール		No	No	No
	EPREL(EU)		Yes	Yes	Yes
		Ambient illumination			
		Default setting value of illumination sensor	OFF	OFF	OFF
		Backlight brightness value in dark ambient room	13%	13%	13%
		Total Harmonic Distortion	< 2% THD	< 2% THD	< 2% THD
9.6. Other Regulation					
	Energy Star (US)		Yes(8.0)	Yes(8.0)	Yes(8.0)
	Energy Star (EU)		No	No	No
	Energy Star (JP)		No	No	No
	CEC(California)		No	No	No
	K-MEPS (Korea ; old E-Standby)		No	No	No
	EEI label (before 2020) (EU)		No	No	No
		Class	-	-	-
		On mode power	-	-	-
		Annual on mode power consumption	-	-	-
		Reference period	-	-	-
	New EU EEI label (from 2021)		Yes	Yes	No
		Class	C	C	
		On mode energy consumption in kWh per 1000h	12kWh/1000h	12kWh/1000h	

	New UK EEI label (from 2021)	Class	Yes C	Yes C	No
		On mode energy consumption in kWh per 1000h	12kWh/1000h	12kWh/1000h	
	MEPS (Australia)	Star rating	No	No	No
		CEC(kWh per year)			
	CEL Energy efficiency regulation (China)		Yes	Yes	Yes
		Class	2	2	2
		能源效率	2.2	2.2	2.2
		Sleep	0.50	0.50	0.50
		Off	0.40	0.40	0.40
		产品类型	标准显示器	标准显示器	标准显示器
	CECP (China)		Yes(Running change)	Yes(Running change)	Yes(Running change)
	Morocco mark		No	No	No
UAE ECAS		No	No	No	
UKCA mark		Yes	Yes	Yes	
IEC62087		No	No	No	
		-	-	-	
9.7. Medical Regulation					
	TUV-GM(Germany)		n/a	n/a	n/a
	CE-MDD (EU)		n/a	n/a	n/a
	EN14971:2012 Risk Management Plan (EU)		n/a	n/a	n/a
	MDD Annex I (Essential Requirement) (EU)		n/a	n/a	n/a
	IEC62563-1 (EU)		n/a	n/a	n/a
	FDA-510K (US)		n/a	n/a	n/a
	AAPM-TG18 (US)		n/a	n/a	n/a
	DIN 6868-157 (Germany)		n/a	n/a	n/a
	Category I or II :				
	EN60601-1-2 section 2		n/a	n/a	n/a
	EN62304:2006 (医療機器ソフトウェア)		n/a	n/a	n/a
	EN62366:2008 (ユーザビリティ)		n/a	n/a	n/a
		-	-	-	
9.8. Logo					
	Windows 7		No	No	No
	Windows 8		No	No	No
	Windows 10 Driver		No	No	No
	HDMI		Yes	Yes	Yes
	DisplayPort		Yes	Yes	Yes
	USB-IF		No	No	No
	DisplayPort Alternate Mode		No	No	No
9.9. European Recycling					
	G2 Category	Carton Box TOP (Material)	Paper	Paper	Paper
		Carton Box TOP (Weight)	1400g	1400g	1400g
		Carton Box MIDDLE			
		Carton Box MIDDLE			
		Carton Box BTM (Material)			
		Carton Box BTM (Weight)			
		Carton Others (Material)			
		Carton Others (Weight)			
	G5 Category	G2 Total Weight	1400g	1400g	1400g
		Plastic Inlays (Material)	EPS	EPS	EPS
		Plastic Inlays (Weight)	600g	600g	600g
		Plastic Inlays (Material)			
		Plastic Inlays (Weight)			
		Monitor bag (Material)	PE	PE	PE
		Monitor bag (Weight)	18g	18g	18g
		Power Cable bag (Material)	PE	PE	PE
		Power Cable bag (Weight)	4g	4g	4g
		Signal Cable bag (Material)	PE	PE	PE
		Signal Cable bag (Weight)	9g	9g	9g
		Manual bag (Material)	PE	PE	PE
		Manual bag (Weight)	7g	7g	7g
		Joint (Material)			
		Joint (Weight)			
		other foil / bag (Material)	PE	PE	PE
		other foil / bag (Weight)	5g	5g	5g
		G5 Total Weight	644g	644g	644g
		Total	G2 + G5 Weight	2044g	2044g
	Percentage of separatable material for recycling (%)		98%	98%	98%
	10. Option compatibility				
10.9. Software adaptation					
	NaViset Administrator 2	Yes	Yes	Yes	
	Multi Profiler	No	No	No	
	GammaComp MD QA	No	No	No	
	Spectra View II	No	No	No	
9.10. Hood					
	HD2PA2427	No	No	No	
	LCD-HDPA27	No	No	No	
	HD2PA31	No	No	No	
9.11. Other					
		n/a	n/a	n/a	
11. Selling Point					
	Tiltable stand	Yes	Yes	Yes	
	Swivelable stand	Yes	Yes	Yes	
	Height adjustable stand	Yes	Yes	Yes	
	Pivotable stand	Yes	Yes	Yes	
	VESA Mount	Yes	Yes	Yes	
	Lower position stand	No	No	No	
	mounting holes				
	Detachable base	Yes	Yes	Yes	
	Quick Release Stand(One touch recovery)	Yes	Yes	Yes	
	Cable management	Yes	Yes	Yes	
	Small PC mount plate	No	No	No	
	capability				
	Available small PC weight	No	No	No	
	Kensington lock capability	Yes	Yes	Yes	
	SOG CABLE DELAY	No	No	No	
	Compensation				
	Sync Compensation	No	No	No	
	RGB DELAY	No	No	No	
	Auto DVI Selection	No	No	No	
	HDCP	Yes	Yes	Yes	
	No Touch Auto	Yes	Yes	Yes	
	Adjustment(NTAA)	Yes	Yes	Yes	
	Auto Bright (Signal Input)	No	No	No	
	sRGB	Yes	Yes	Yes	
	Adobe RGB	No	No	No	
	OmniColor (Natural Color Matrix)	No	No	No	
	Color Temperature Mode	Yes	Yes	Yes	
	Colorcomp	No	No	No	
	Uniformity Correction	No	No	No	

