

【秘密】 【Confidential】

General Spec for PC monitor

MODEL NAME :
DD-E244F
DD-E244FW

Version : 1.0
Date : Jul/31, 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: 07FQ5MAM-N

REVISION HISTORY

Ver	Date	Description	Designed	Checked	Approved
1	2025/7/31	1st release	T.Miyake S.Kurihara	-	N.Kano

		Brand change Rev.1 DD-E244F		Brand change Rev.1 DD-E244FW		Brand change Rev.1 DD-E244F		Brand change Rev.1 DD-E244F	
1.1. Model Name/Brand/Platform/Color		Aver-BK		Bver-WH		Bver-BK		Cver-BK	
Series name Model name 型番 Application name for agency 規格申請名 Size information for spec list on Catalogue / Manual Inch information for Carton box 寸法箱 Brand name ブランド名 Platform プラットフォーム Color	Series name	MultiSync		MultiSync		MultiSync		MultiSync	
	Model name 型番	DD-E244F		DD-E244FW		DD-E244F		DD-E244F	
	Application name for agency 規格申請名	DD-E244F		DD-E244FW		DD-E244F		DD-E244F	
	Size information for spec list on Catalogue / Manual	(cm)		(cm)		(cm)		(cm)	
	Inch information for Carton box 寸法箱	23.8inch		23.8inch		23.8inch		23.8inch	
	Brand name ブランド名	SHARP		SHARP		SHARP		SHARP	
Platform プラットフォーム	SHARP		SHARP		SHARP		SHARP		
Color	Black		White		Black		Black		
1.2. Factory/Release date	Manufacturing	Factory 製造工場		MTC		MTC		MTC	
	Country 製造国	China		China		China		China	
Release	Year 発表年	2025年		2025年		2025年		2025年	
	Month 発表月	8月		8月		8月		8月	
1.3. Code/ID	Product code 商品コード (8桁)	07FQ3MAM		07FQ4MBM		07FQ3MBM		07FQ3MCM	
	Model number 型番	M242FQ3M-BK-A-SHFC		M242FQ4M-WH-B-SHFC		M242FQ3M-BK-B-SHFC		M242FQ3M-CM-B-SHFC	
	Model ID 型名ID	A30DE244FBU		A30DE244FWE		A30DE244FBE		A30DE244FBC	
	Panel code	M		M		M		M	
	Serial 3rd digit	M (Serial 2nd digit)		M (Serial 2nd digit)		M (Serial 2nd digit)		M (Serial 2nd digit)	
Revision code	1A		1A		1A		1A		
UPC	074000705111		4550556177634		4550556177627				
EAN									
BS code							TBD		
JAN									
USB Vendor/Product ID	Vendor ID		Product ID						
EDID Product code	D-SUB		D-SUB		D-SUB		D-SUB		
DVI-D									
HDMI1	0x2639		0x2639		0x2639		0x2639		
HDMI2									
DisplayPort1 (1a)									
DisplayPort1 (1a w/o sound)									
DisplayPort1 (1a)	0x263A		0x263A		0x263A		0x263A		
DisplayPort1 (1a w/o sound)									
DisplayPort1 (1.2 SST)									
DisplayPort1 (1.2 SST w/o sound)									
DisplayPort1 (1.2 MST)									
DisplayPort1 (1.2 MST w/o sound)									
USB-C1 (1a)									
USB-C1 (1a w/o sound)									
USB-C1 2 SST									
USB-C1 2 SST w/o sound)									
USB-C1 2 MST)									
USB-C1 2 MST w/o sound)									
HDMI2 (2b)									
DisplayPort1 (1.2)									
DisplayPort1 (1.2 w/o sound)									
USB-C1 2 w/o sound)									
HDMI2 (2b)									
HDMI2 (2bHDR)									
HDMI2 (2b)									
HDMI1 (1.4)									
HDMI2 (2bHDR)									
HDMI2 (2b)									
HDMI2 (1.4)									
DisplayPort1 (1.2 with Sound)									
DisplayPort1 (1.2 without Sound)									
DisplayPort2 (1.2 with Sound)									
DisplayPort2 (1.2 without Sound)									
DisplayPort2 (1.2 with Sound)									
DisplayPort2 (1.2 without Sound)									
USB-C (dane)1 (2HDR with Sound)									
USB-C (dane)1 (2with Sound)									
USB-C (dane)1 (2without Sound)									
USB-C (dane)1 (1a with Sound)									
USB-C (dane)1 (2HDR with Sound)									
USB-C (dane)1 (2with Sound)									
USB-C (dane)1 (2without Sound)									
IPS type	a-Si TFT active matrix		a-Si TFT active matrix		a-Si TFT active matrix		a-Si TFT active matrix		
Number of pixel	Horizontal		Horizontal		Horizontal		Horizontal		
Pixel pitch	Horizontal		Horizontal		Horizontal		Horizontal		
Pixel per inch	Vertical		Vertical		Vertical		Vertical		
Maximum Dot defect	PPI		PPI		PPI		PPI		
Dynamic Frequency	Typ.		Typ.		Typ.		Typ.		
Back light	Element		LED		LED		LED		
Method	Bottom Edge		Bottom Edge		Bottom Edge		Bottom Edge		
Operating Life Time	DC		DC		DC		DC		
Luminance of White 全白輝度	30000hour		30000hour		30000hour		30000hour		
Panel specification	Min.		Min.		Min.		Min.		
Brightness(calibration capable range)	Max.		Max.		Max.		Max.		
Contrast Ratio コントラスト比	Min.		Min.		Min.		Min.		
Contrast Ratio (Dynamic)	Typ.		Typ.		Typ.		Typ.		
Response time(G to G)	Max.		Max.		Max.		Max.		
Response time(ON)	Typ.		Typ.		Typ.		Typ.		
Response time(White to Black) TF	Max.		Max.		Max.		Max.		
Response time(Black to White) TR	Typ.		Typ.		Typ.		Typ.		
Response time(White to Black to white) TF+TR	Max.		Max.		Max.		Max.		
Color Gamut(Cover ration)	vs NTSC Typ.		vs NTSC Typ.		vs NTSC Typ.		vs NTSC Typ.		
Color Gamut(Area ration)	vs sRGB Typ.		vs sRGB Typ.		vs sRGB Typ.		vs sRGB Typ.		
Color Chromaticity	By Typ.		By Typ.		By Typ.		By Typ.		
Viewing Angle(Typ.) (CR>=10)	Up		Up		Up		Up		
Display colors	Bits		Bits		Bits		Bits		
Surface treatment	Type		Type		Type		Type		
Hardness	3H		3H		3H		3H		
2. Panel spec.	Panel Manufacturer パネル製造者		MTC		MTC		MTC		
	Panel name パネル名称		PN238CS02-2		PN238CS02-2		PN238CS02-2		
	Module size 外形寸法		534.04mm		534.04mm		534.04mm		
	Depth Max.		307.76mm		307.76mm		307.76mm		
	Bezel to Bezel Area(Opening area)		Horizontal		Horizontal		Horizontal		
	Active Display Area 有効表示領域		Horizontal		Horizontal		Horizontal		
	(Reference)		Vertical		Vertical		Vertical		
	(Reference)		Diagonal (inch)		Diagonal (inch)		Diagonal (inch)		
	(Weight: 重量(Typ.))		Diagonal (cm)		Diagonal (cm)		Diagonal (cm)		
	(Weight: 重量(Max.))		4kg		4kg		4kg		
2.2. Size/Weight	LC Driving method 液晶駆動方式		IPS type		IPS type		IPS type		
	LC Driver Element 液晶駆動素子		a-Si TFT active matrix		a-Si TFT active matrix		a-Si TFT active matrix		
	Number of pixel		Horizontal		Horizontal		Horizontal		
	Pixel pitch		Horizontal		Horizontal		Horizontal		
	Pixel per inch		Vertical		Vertical		Vertical		
	Maximum Dot defect		PPI		PPI		PPI		
	Dynamic Frequency		Typ.		Typ.		Typ.		
	Back light		Element		LED		LED		
	Method		Bottom Edge		Bottom Edge		Bottom Edge		
	Operating Life Time		DC		DC		DC		
2.3. Optical/Electrical	Luminance of White 全白輝度		30000hour		30000hour		30000hour		
	Panel specification		Min.		Min.		Min.		
	Brightness(calibration capable range)		Max.		Max.		Max.		
	Contrast Ratio コントラスト比		Min.		Min.		Min.		
	Contrast Ratio (Dynamic)		Typ.		Typ.		Typ.		
	Response time(G to G)		Max.		Max.		Max.		
	Response time(ON)		Typ.		Typ.		Typ.		
	Response time(White to Black) TF		Max.		Max.		Max.		
	Response time(Black to White) TR		Typ.		Typ.		Typ.		
	Response time(White to Black to white) TF+TR		Max.		Max.		Max.		
2.4. Environment	Storage Temp. Max.		60℃		60℃		60℃		
	Storage Temp. Min.		-20℃		-20℃		-20℃		
	Storage humidity Max.		90%		90%		90%		
	Operation Temp. Max.		50℃		50℃		50℃		
	Operation Temp. Min.		0℃		0℃		0℃		
	Operation humidity Max.		90%		90%		90%		
	Shock		X, Y axis direction		X, Y axis direction		X, Y axis direction		
	Vibration		Z axis direction		Z axis direction		Z axis direction		
	Parial (without Stand)		Support		Support		Support		
	180 degree Monitor Rotation (without stand)		Support		Support		Support		

		Operation Temp. Max. (F) Operation Temp. Min. (C) Operation Temp. Min. (F) Operation humidity Max Operation humidity Min Operation Altitude (m) Operation Altitude (ft.) 24hours/7days usage	95F 5°C 41F 80% 20% 5000m 16404ft No	95F 5°C 41F 80% 20% 5000m 16404ft No	95F 5°C 41F 80% 20% 5000m 16404ft No	95F 5°C 41F 80% 20% 5000m 16404ft No
3.6. Carton/Transport	Design Type of Carton Box Material of Carton Box Gross Dimensions (in.) (in.) (in.) (in.) Gross weight (kg) (lbs) Container loading Qty Palletized(Max.) Pallet Depth units/pallet/40ft units/pallet/HQ40ft Stacking MAX,layer at pallet Stacking limit by number (indicate to CARTON) MAX,layer at warehouse Transport condition	WW ver. Gross Width (mm) 670.0mm 26.4in. Gross Height (mm) 15.4in. 180.0mm 7.1in. 7.4in. 17.2lb 480unit 950unit 1140mm 1300mm 60units units/pallet/HQ40ft 5units 11units 12units Yes Need to always use PALLET	WW(A,B,ver) Kraft innerboard and infliced corrugated board (Double wall) 670.0mm 26.4in. 390.0mm 15.4in. 180.0mm 7.1in. 7.4in. 17.2lb 480unit 950unit 1140mm 1300mm 60units units/pallet/HQ40ft 5units 11units 12units Yes	WW(A,B,ver) Kraft innerboard and infliced corrugated board (Double wall) 670.0mm 26.4in. 390.0mm 15.4in. 180.0mm 7.1in. 7.4in. 17.2lb 480unit 950unit 1140mm 1300mm 60units units/pallet/HQ40ft 5units 11units 12units Yes	WW(A,B,ver) Kraft innerboard and infliced corrugated board (Double wall) 670.0mm 26.4in. 390.0mm 15.4in. 180.0mm 7.1in. 7.4in. 17.2lb 480unit 950unit 1140mm 1300mm 60units units/pallet/HQ40ft 5units 11units 12units Yes	WW(A,B,ver) Kraft innerboard and infliced corrugated board (Double wall) 670.0mm 26.4in. 390.0mm 15.4in. 180.0mm 7.1in. 7.4in. 17.2lb 480unit 950unit 1140mm 1300mm 60units units/pallet/HQ40ft 5units 11units 12units Yes
3.7. Warranty/MTBF	Limited Warranty MTBF	3year(s) excluding LCD module, MIL-217E(hours) excluding LCD module, MIL-217F(hours) including all components, MIL-217E(hours) including all components, MIL-217F(hours)	3year(s) - - - -	3year(s) - - - -	3year(s) - - - -	3year(s) - - - -
4. Terminal & Slot						
4.1. Video terminal	Video input terminal 					

	Terminal 2	Dot clock frequency Max.	~165MHz	~165MHz	~165MHz	~165MHz		
		Dot clock frequency Min.	25MHz~	25MHz~	25MHz~	25MHz~		
		DisplayPort Version	1.2	1.2	1.2	1.2		
		Color type	RGB(BbB)	RGB(BbB)	RGB(BbB)	RGB(BbB)		
		Bit rate	RRRRRRRRRR2	RRRRRRRRRR2	RRRRRRRRRR2	RRRRRRRRRR2		
		MST	No	No	No	No		
		HDCP	1.3	1.3	1.3	1.3		
		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	-	-	-	-		
	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	Audio IN	
			Connector type	Stereo Mini Jack	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	Stereo 0.5Vrms, L/R	
			Terminal	HDMI	HDMI	HDMI	HDMI	
			Support Signal	PCM 32, 44.1, 48KHz (16, 20, 24bit), 2ch	PCM 32, 44.1, 48KHz (16, 20, 24bit), 2ch	PCM 32, 44.1, 48KHz (16, 20, 24bit), 2ch	PCM 32, 44.1, 48KHz (16, 20, 24bit), 2ch	
		Digital Audio (DisplayPort)	Terminal	DisplayPort	DisplayPort	DisplayPort	DisplayPort	
	Support Signal	PCM 32, 44.1, 48KHz (16, 20, 24bit), 2ch	PCM 32, 44.1, 48KHz (16, 20, 24bit), 2ch	PCM 32, 44.1, 48KHz (16, 20, 24bit), 2ch	PCM 32, 44.1, 48KHz (16, 20, 24bit), 2ch			
	5.6 Support timings (for User's manual)	640 x 480	60Hz (p)	Yes	Yes	Yes		
		640 x 480	67Hz (p)	No	No	No		
		640 x 480	72Hz (p)	No	No	No		
		640 x 480	75Hz (p)	No	No	No		
		720 x 480	75Hz (p)	No	No	No		
		720 x 480	60Hz (p)	Yes	Yes	Yes		
		720 x 480	60Hz (p)	Yes	Yes	Yes		
		720 x 480	60Hz (i) HDMI only	No	No	No		
		720 x 576	50Hz (p)	Yes	Yes	Yes		
		720 x 576	50Hz (i) HDMI only	No	No	No		
		800 x 600	56Hz (p)	Yes	Yes	Yes		
		800 x 600	60Hz (p)	Yes	Yes	Yes		
		800 x 600	72Hz (p)	No	No	No		
		800 x 600	75Hz (p)	No	No	No		
		1024 x 768	60Hz (p)	Yes	Yes	Yes		
		1024 x 768	70Hz (p)	No	No	No		
		1024 x 768	75Hz (p)	No	No	No		
		1280 x 720	24Hz (p)	No	No	No		
		1280 x 720	25Hz (p)	No	No	No		
		1280 x 720	30Hz (p)	No	No	No		
		1280 x 720	50Hz (p)	Yes	Yes	Yes		
		1280 x 720	60Hz (p)	Yes	Yes	Yes		
		1280 x 960	60Hz (p)	Yes	Yes	Yes		
		1280 x 960	75Hz (p)	No	No	No		
		1280 x 1024	60Hz (p)	Yes	Yes	Yes		
		1280 x 1024	75Hz (p)	No	No	No		
		1280 x 1440	60Hz (p) for Multi picture	No	No	No		
		1440 x 900	60Hz (p)	Yes	Yes	Yes		
		1600 x 1200	60Hz (p)	No	No	No		
		1680 x 1050	60Hz (p)	Yes	Yes	Yes		
		1920 x 1080	24Hz (p)	No	No	No		
		1920 x 1080	25Hz (p)	No	No	No		
		1920 x 1080	30Hz (p)	No	No	No		
		1920 x 1080	50Hz (p)	Yes	Yes	Yes		
		1920 x 1080	60Hz (p)	Yes	Yes	Yes		
		1920 x 1080	50Hz (i)	No	No	No		
		1920 x 1080	60Hz (i)	No	No	No		
		1920 x 1200	60Hz (p)	No	No	No		
		1920 x 2160	60Hz (p) for Multi picture	No	No	No		
		2560 x 1440	60Hz (p)	No	No	No		
		3840 x 2160	60Hz (p)	No	No	No		
		3840 x 2160	30Hz (p)	No	No	No		
		4096 x 2160	60Hz (p)	No	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		-	-	-	-		
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 w/ HDCP	-	-	-	-		
		Max number of connections in SST w/o HDCP	-	-	-	-		
		Max number of connections in SST w/ HDCP	-	-	-	-		
		Daisy Chain Support (DP or USB-C)	-	-	-	-		
		Max number of connections in MST w/o HDCP	-	-	-	-		
6.3. Audio output								
	Terminal 1	Terminal name	HEAD PHONE OUT	HEAD PHONE OUT	HEAD PHONE OUT	HEAD PHONE OUT		
		Connector type	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack		
		Analog/Digital	Analog	Analog	Analog	Analog		
		Signal	Stereo L/R	Stereo L/R	Stereo L/R	Stereo L/R		
6.4. Speaker								
	Integrated Speaker	Support	Yes	Yes	Yes	Yes		
		Spec	Stereo 1W + 1W	Stereo 1W + 1W	Stereo 1W + 1W	Stereo 1W + 1W		
		Support	No	No	No	No		
		Spec	Not support	Not support	Not support	Not support		
7. Function								
7.1. User Interface								
	Multi-lingual OSD	Support	Yes	Yes	Yes	Yes		
		Languages	English	English	English	English		
			German	German	German	German		
			French	French	French	French		
			Spanish	Spanish	Spanish	Spanish		
			Italian	Italian	Italian	Italian		
			Swedish	Swedish	Swedish	Swedish		
			Polish	Polish	Polish	Polish		
			Russian	Russian	Russian	Russian		
			Japanese	Japanese	Japanese	Japanese		
			Chinese	Chinese	Chinese	Chinese		
			-	-	-	-		
			-	-	-	-		
			-	-	-	-		
		Number of support languages	10	10	10	10		
		Support	Yes, Integrated	Yes, Integrated	Yes, Integrated	Yes, Integrated		
		Button Type	Mechanical	Mechanical	Mechanical	Mechanical		
		Buttons	5Direction Key	5Direction Key	5Direction Key	5Direction Key		
			-	-	-	-		
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	Microphone	Support	No	No	No	No
	Headphone	Support	Yes	Yes	Yes	Yes
	ControlSync®	ControlSync input (Gray connector)	No	No	No	No
		ControlSync output (Black connector)	No	No	No	No
	Share monitor (by Max.)	Support by VESA (DDCI)	Yes	Yes	Yes	Yes
7.3. Picture control	Plug and Play	Support by VESA (DDCI)	Yes	Yes	Yes	Yes
		Support by DDC/CI	Yes	Yes	Yes	Yes
		Support by DisplayPort	Yes	Yes	Yes	Yes
	Color control	Support	Yes	Yes	Yes	Yes
	SpectraView Engine	Support	No	No	No	No
	Local dimming	Generation	No	No	No	No
		Support	No	No	No	No
		Switch ON/OFF	No	No	No	No
		Number of partitions, Horizontal	-	-	-	-
		Number of partitions, Vertical	-	-	-	-
Picture Mode	Total number of Control Blocks	Support	Yes	Yes	Yes	Yes
	Available modes	Support	5000K sRGB	5000K sRGB	5000K sRGB	5000K sRGB
			5000K sRGB	5000K sRGB	5000K sRGB	5000K sRGB
		LowBlueLight USER	LowBlueLight USER	LowBlueLight USER	LowBlueLight USER	LowBlueLight USER
			-	-	-	-
Expanding modes for lower resolutions	Full screen	Selectable	Selectable	Selectable	Selectable	Selectable
	1:1 (pixel correct)	n/a	n/a	n/a	n/a	n/a
	Normal (Keeping aspect ratio)	Selectable	Selectable	Selectable	Selectable	Selectable
	Wide (Expands a 16:9 letter box signal)	n/a	n/a	n/a	n/a	n/a
	Dynamic (Expand 4:3 pictures and cut off the outside image area)	n/a	n/a	n/a	n/a	n/a
Frame Comp.	Custom zoom (Keeping aspect ratio and zoom)	n/a	n/a	n/a	n/a	n/a
	Support	Support	No	No	No	No
	Edge Comp.	Support	No	No	No	No
	Picture In Picture	Support	No	No	No	No
	Picture By Picture	Support	No	No	No	No
Tile Matrix	Picture by Picture(AUTO)	Support	No	No	No	No
	Support	No	No	No	No	No
	Max number	No	No	No	No	No
7.4. Scheduler/Timer	Real time clock	Support	No	No	No	No
	Scheduler	Support	No	No	No	No
	Off Timer	Support	No	No	No	No
	Power on delay	Support	No	No	No	No
7.5. Reliability	Running Hours Indicate	Support	Yes	Yes	Yes	Yes
	Self diagnostic	Notification method	n/a	n/a	n/a	n/a
7.6. Power saving	VESA DPMS	Compliant	Yes	Yes	Yes	Yes
	Ambient light sensor	Support	No	No	No	No
	Default setting	n/a	n/a	n/a	n/a	n/a
	Human detective sensor	Support	No	No	No	No
	Sensor type	n/a	n/a	n/a	n/a	n/a
Vacation switch	Default setting	n/a	n/a	n/a	n/a	n/a
	Detective distance(Maximum)	n/a	n/a	n/a	n/a	n/a
	Sleep mode power(Human sensor1)	n/a	n/a	n/a	n/a	n/a
	Sleep mode power(Human sensor2)	n/a	n/a	n/a	n/a	n/a
	Location	No	No	No	No	No
7.7. Touch panel	Touch panel capability	Support	No	No	No	No
	Prepare space for Touch Panel	n/a	n/a	n/a	n/a	n/a
	Prepare space for Control PCBA	n/a	n/a	n/a	n/a	n/a
	Prepare screw hole to fix	n/a	n/a	n/a	n/a	n/a
	Prepare connector for Power supply	n/a	n/a	n/a	n/a	n/a
Integrated Touch panel	Prepare I/F to PC	n/a	n/a	n/a	n/a	n/a
	Support	No	No	No	No	No
	Sensor vendor	n/a	n/a	n/a	n/a	n/a
	Sensor product name	n/a	n/a	n/a	n/a	n/a
	Method	n/a	n/a	n/a	n/a	n/a
7.8. Shipment setting	Resolution	n/a	n/a	n/a	n/a	n/a
	Touch accuracy	n/a	n/a	n/a	n/a	n/a
	Multi-touch	n/a	n/a	n/a	n/a	n/a
	Interface	n/a	n/a	n/a	n/a	n/a
	Operating System	n/a	n/a	n/a	n/a	n/a
	DV MODE	ON	ON	ON	ON	ON
	ECO MODE	OFF	OFF	OFF	OFF	OFF
	Uniformity Correction	n/a	n/a	n/a	n/a	n/a
	Response improve	ON	ON	ON	ON	ON
8. Bundled items						
8.1. Power cord/AC adaptor						
AC adaptor	AC adaptor	No	No	No	No	No
	AC POWER CORD (US type)	Yes	No	No	No	No
	Length	1.8m	n/a	n/a	n/a	n/a
	Color	Black	n/a	n/a	n/a	n/a
	AC POWER CORD (EU type)	No	Yes	Yes	Yes	No
AC POWER CORD (EU type)	Length	n/a	1.8m	n/a	n/a	n/a
	Color	n/a	White	n/a	n/a	n/a
	AC POWER CORD (Ch type)	No	No	No	No	Yes
	Length	n/a	n/a	n/a	n/a	1.8m
	Color	n/a	n/a	n/a	n/a	Black
AC POWER CORD (JP type)	Length	n/a	n/a	n/a	n/a	n/a
	Color	n/a	n/a	n/a	n/a	n/a
	AC POWER CORD (UK type)	No	No	No	No	n/a
	Length	n/a	n/a	n/a	n/a	n/a
	Color	n/a	n/a	n/a	n/a	n/a
AC POWER CORD (Au type)	Length	n/a	n/a	n/a	n/a	n/a
	Color	n/a	n/a	n/a	n/a	n/a
8.2. Accessory	Remote Control Unit	AA Battery x2	No	No	No	No
		AAA Battery x2	No	No	No	No
	VGA - VGA cable	Yes	No	No	No	No
	Length	1.8m	n/a	n/a	n/a	n/a
	Color	Black	n/a	n/a	n/a	n/a
VGA - DVI-A cable	Length	n/a	No	No	No	No
	Color	n/a	n/a	n/a	n/a	n/a
	DVI-D - DVI-D cable	No	No	No	No	n/a
	Length	n/a	n/a	n/a	n/a	n/a
	Color	n/a	n/a	n/a	n/a	n/a
DisplayPort to DisplayPort cable	Length	Yes	Yes	Yes	Yes	Yes
	Color	1.8m	1.8m	1.8m	1.8m	1.8m
	DisplayPort mini to DisplayPort cable	No	No	No	No	No
	Length	n/a	n/a	n/a	n/a	n/a
	Color	n/a	n/a	n/a	n/a	n/a
HDMI to HDMI cable	Length	No	No	No	No	No
	Color	n/a	n/a	n/a	n/a	n/a
	USB-A to USB-B cable	No	No	No	No	No
	Length	n/a	n/a	n/a	n/a	n/a
	Color	n/a	n/a	n/a	n/a	n/a
USB-C to USB-C cable	Length	n/a	No	No	No	No
	Color	n/a	n/a	n/a	n/a	n/a
	Audio cable (ø 3.5mm stereo mini plug)	No	No	No	No	No
	Length	n/a	n/a	n/a	n/a	n/a
	Color	n/a	n/a	n/a	n/a	n/a
ControlSync cable (ø 2.5mm stereo micro plug)	Length	No	No	No	No	No
	Color	n/a	n/a	n/a	n/a	n/a
	Stand base	Yes	Yes	Yes	Yes	Yes
	Color	Black	White	Black	Black	Black
	Stand Neck	No	No	No	No	No
Cable holder	Color	n/a	n/a	n/a	n/a	n/a
	VESA plate(Bracket)	Yes	Yes	Yes	Yes	Yes
	Color	Black	White	Black	Black	Black
	Plate Color	No	No	No	No	No
	Screw quantity	n/a	n/a	n/a	n/a	n/a
Screw Color	Cap for DPout (Attached to monitor)	No	No	No	No	No
	Cap for USB host (Attached to monitor)	No	No	No	No	No
	Failure	Clamper and Screw	No	No	No	No
	Number of Clamper & Screw	n/a	n/a	n/a	n/a	n/a
	Wall mount screw with washer	No	No	No	No	No
Size of Wall mount screw & washer	Color of Wall mount screw & washer	n/a	n/a	n/a	n/a	n/a
	Number of Wall mount screw & washer	n/a	n/a	n/a	n/a	n/a
8.3. Attached document						
CD-ROM (Software & Documentation)	Paper Manual	Paper Manual Full (A ver)	No	No	No	No
		Paper Manual Full (B ver)	No	No	No	No
		Paper Manual Full (JAPAN)	No	No	No	No
		Paper Manual Full (TW ver)	No	No	No	No
		Paper Manual Full (Korean, Korea) (TW ver)	No	No	No	No
Setup Manual	Setup Manual (1st)	Yes(A ver)	Yes(B ver)	Yes(B ver)	Yes(B ver)	Yes(C ver)
	Setup Manual (2nd)	No	No	No	No	No
	Setup Manual (3rd)	No	No	No	No	No
	Contents sheet	Contents sheet (1st)	No	No	No	No
	Contents sheet (2nd)	No	No	No	No	No
Addendum sheet for head only model	Addendum sheet (1st)	No	No	No	No	No
	Addendum sheet (2nd)	No	No	No	No	No
	Callout Disposition sheet	No	No	No	No	No
	Settings info sheet	No	No	No	No	No
	Warranty Card	Warranty Card (China)	No	No	No	Yes
NAVISet Administrator 2.0 ver	Warranty Card (Japan)	No	No	No	No	No
		No	No	No	No	No
		No	No	No	No	No
		No	No	No	No	No
		No	No	No	No	No

	Sheet for regulation	EEI label and EEL SHEET	No	Yes (with Fiche)	Yes (with Fiche)	No
	UK EEI label and UK EEI SHEET	UK EEI Fiche	No	Yes (with Fiche)	Yes (with Fiche)	No
	UK Import Information Sheet	UK Import Information Sheet	No	No	No	No
	CE Information Sheet	CE Information Sheet	No	No	No	No
	IEC62368-1 GND Sheet	IEC62368-1 GND Sheet	No	No	No	No
	EnergyStar 8.0 sheet	EnergyStar 8.0 sheet	No	No	No	No
	WEEE sheet	WEEE sheet	No	No	No	No
	CEL Sheet	CEL Sheet	No	No	No	No
	Factory Calibration and Verification Report	Factory Calibration and Verification Report	No	No	No	No
	Appendix sheet for head angle limitation	Appendix sheet for head angle limitation	No	No	No	No
9. Regulation	DV MODE addendum sheet	DV MODE addendum sheet	No	No	No	No
	Sheet for USB setting	Sheet for USB setting	No	No	No	No
	Company name change notice sheet	Company name change notice sheet	No	No	No	No
9.1. Safety	UL/C-UL (US/Canada)		Yes	Yes	Yes	Yes
	TUV GS		Yes	Yes	Yes	Yes
	ProdSG (Germany)		No	Yes	No	No
	CB Report		Yes	Yes	Yes	Yes
	PBB (Singapore)	Yes(Running change)	Yes(Running change)	Yes(Running change)	Yes(Running change)	Yes(Running change)
	NOM (Mexico)	Yes	No	No	No	No
	Rating label	n/a	n/a	n/a	n/a	n/a
	RAM or TUV Argentina S. (Argentina)	No	No	No	No	No
	India BIS	No	No	No	No	No
	SASO (Saudi Arabia)	No	No	No	No	No
9.2. Safety+EMC						
	CE Marking (EU)		Yes	Yes	Yes	Yes
	CCC (China)	Yes(Running change)	Yes(Running change)	Yes(Running change)	Yes(Running change)	Yes(Running change)
	EAC (Russia)	No	No	No	No	No
	BSMI (Taiwan)	No	No	No	No	No
	KC (Korea)	No	No	No	No	No
	MSRP (Korea)	No	No	No	No	No
	S-TUV or S-QAA (Japan)	No	No	No	No	No
	電気安全PSE, Japan safety (Japan)	No	No	No	No	No
		-	-	-	-	-
9.3. EMC	CCC/CEC-003 (US/Canada)		Yes	Yes	Yes	Yes
	CCC/BEST7 (US/Canada, for TV)	n/a	n/a	n/a	n/a	n/a
	RCM (Australia/New Zealand)	Yes(Running change)	Yes(Running change)	Yes(Running change)	Yes(Running change)	Yes(Running change)
	VCCI (Japan)	No	No	No	No	No
	電波法関連 JS C61000-3-2 (Japan)	No	No	No	No	No
	JEDAN 電波法ガイドライン (Japan)	No	No	No	No	No
	JEDAS 電波法ガイドライン (Japan)	No	No	No	No	No
	JEITA IT-3001A (Immunity) (Japan)	No	No	No	No	No
		-	-	-	-	-
9.4. Ergonomics	TUV-Ergonomics (Germany)		Yes	Yes	Yes	Yes
	ISO941-307		Yes	Yes	Yes	Yes
	Preset/illum class					
	Reflection class (pos. /neg.)		I	I	I	--
	TCO Certified Displays (Sweden)	Yes (B.0)	Yes (B.0)	Yes (B.0)	Yes (B.0)	Yes (B.0)
	TCO Certified Edge Displays (Sweden)	No	No	No	No	No
	JEITA 省電力ガイドライン (Japan)	No	No	No	No	No
	TUV Flicker Free	Yes	No	Yes	Yes	Yes
	Back light control	DC control	DC control	DC control	DC control	DC control
	TUV Low Blue light	Yes	Yes	Yes	Yes	Yes
9.5. Environmental	TUV Color Accuracy		No	No	No	No
	U.S. Mercury regulations	n/a	n/a	n/a	n/a	n/a
	EPAT	No	No	No	No	No
	SBSD (US California)	Yes	No	No	No	No
	Batteries Directive 2006/66/EC (EU)	No	No	No	No	No
	WEEE (EU)	No	Yes	Yes	Yes	Yes
	India E-waste	No	No	No	No	No
	EP Lot 5 (IT, PD, TV) (EU)	No	Yes	Yes	Yes	Yes
	EP Lot 7 (External Power supply)	No	No	No	No	No
9.6. Other Regulation	EP Lot 6 (EU)	No	No	No	No	No
	EP Lot 26 (EU)	No	No	No	No	No
	CEMA-370 (EU)	No	Yes	Yes	Yes	Yes
	REACH	Yes	Yes	Yes	Yes	Yes
	RoHS (EU)	Yes	Yes	Yes	Yes	Yes
	Chinese RoHS	Yes	Yes	Yes	Yes	Yes
	Turkish RoHS	Yes	Yes	Yes	Yes	Yes
	Ukrainian RoHS	No	No	No	No	No
	UAE RoHS	No	No	No	No	No
	EAEU RoHS	No	No	No	No	No
9.7. Medical Regulation	タイコン輸入品 (Japan)	No	No	No	No	No
	エコーマーク (Japan)	No	No	No	No	No
	POCTマーク (Japan)	No	No	No	No	No
	JEITA VCCIガイドライン (Japan)	No	No	No	No	No
	JIS-C-0909 J-Moss (Japan)	No	No	No	No	No
	ロイヤルマーク (Japan)	No	No	No	No	No
	省資源型リサイクル法/段ボールリサイクル協議会マーク (Japan)	No	No	No	No	No
	Containers and Packing Recycling Law (China)	Yes	Yes	Yes	Yes	Yes
	Containers and Packing Recycling Law (Russia)	No	No	No	No	No
	Containers and Packing Recycling Law (Korea)	No	No	No	No	No
9.8. Logo	Der Grüne Punkt (Germany)	No	No	No	No	No
	NECグリーンポイン	No	No	No	No	No
	EPREL (EU)					
	Ambient illumination sensor	No	No	No	No	No
	Default setting value of illumination sensor	n/a	n/a	n/a	n/a	n/a
	Backlight brightness value in dark ambient room	n/a	n/a	n/a	n/a	n/a
	Total Harmonic Distortion	n/a	n/a	n/a	n/a	n/a
9.9. European Recycling	Energy Star (US)	Yes (B.0)	Yes (B.0)	Yes (B.0)	Yes (B.0)	Yes (B.0)
	Energy Star (EU)	No	No	No	No	No
	Energy Star (JP)	No	No	No	No	No
	CEC (California)	Yes	No	No	No	No
	E Standby (Korea)	No	No	No	No	No
	EEL label (before 2020) (EU)	No	No	No	No	No
	Class	n/a	n/a	n/a	n/a	n/a
	On mode power consumption	-	-	-	-	-
	Annual on mode power consumption	-	-	-	-	-
	Reference period	-	-	-	-	-
9.9. European Recycling	New EEI label (from 2021) (EU)	Class	No	Yes	Yes	No
		Class	C	C	C	C
	New UK EEI label (from 2021) (EU)	On mode energy consumption in kWh per 1000h	-	10kWh/1000h	10kWh/1000h	-
		Class	No	Yes	Yes	No
		Class	C	C	C	C
	On mode energy consumption in kWh per 1000h	-	10kWh/1000h	10kWh/1000h	10kWh/1000h	-
	MEPS (Australia)	Star rating	8	Yes(Running change)	Yes(Running change)	No
	CEC (California)	CEC kWh per year	39	39	39	n/a
	CEL Energy efficiency regulation (China)	Class	3	Yes	Yes	Yes
		Class	3	3	3	3
9.9. European Recycling	能源效率	1.5	1.5	1.5	1.5	1.5
	Slaps	0.50	0.50	0.50	0.50	0.50
	OP	0.40	0.40	0.40	0.40	0.40
	产品类型	电视显示器	电视显示器	电视显示器	电视显示器	电视显示器
	CECP (China)	No	No	No	No	No
	CEC mark	No	No	No	No	No
	UAE ECRS	No	No	No	No	No
	IEC62067	No	No	No	No	No
	MOAH MOSH (フランス産物油インク 規制)	-	-	-	-	-
9.9. European Recycling	TUV-GM (Germany)	n/a	n/a	n/a	n/a	n/a
	CE-MDD (EU)	n/a	n/a	n/a	n/a	n/a
	EN14611:2012 Risk Management Plan (EU)	n/a	n/a	n/a	n/a	n/a
	MDD Annex I (Essential Requirement) (EU)	n/a	n/a	n/a	n/a	n/a
	IEC62363-1 (EU)	n/a	n/a	n/a	n/a	n/a
	FDA-510K (US)	n/a	n/a	n/a	n/a	n/a
	AAPM-TG18 (US)	n/a	n/a	n/a	n/a	n/a
	DIN 6880-157 (Germany) Category I or II	n/a	n/a	n/a	n/a	n/a
	EN60950-1:12 section 2	n/a	n/a	n/a	n/a	n/a
	EN60304-2006 (医療機器ソフトウェア)	n/a	n/a	n/a	n/a	n/a
9.9. European Recycling	EN60368-2008 (ユーザリビリティ)	n/a	n/a	n/a	n/a	n/a
		-	-	-	-	-
	Windows 7	No	No	No	No	No
	Windows 8	No	No	No	No	No
	Windows 10 Driver	No	No	No	No	No
	Windows 11 Driver	No	No	No	No	No
	NCAM	Yes	Yes	Yes	Yes	Yes
	DisplayPort	Yes	Yes	Yes	Yes	Yes
	USB-IF	No	No	No	No	No
9.9. European Recycling	DisplayPort Alternate Mode	No	No	No	No	No
	G2 Category	Carton Box TOP (Material)	Paper	Paper	Paper	Paper
		Carton Box TOP (Weight)	1003g	1003g	1003g	1003g
		Carton Box MIDDLE (Material)	-	-	-	-
		Carton Box MIDDLE (Weight)	-	-	-	-
		Carton Box BTM (Material)	-	-	-	-
		Carton Box BTM (Weight)	-	-	-	-
		Carton Others (Material)	-	-	-	-
		Carton Others (Weight)	-	-	-	-
9.9. European Recycling	G2 Total Weight	1003g	1003g	1003g	1003g	1003g
	G5 Category	Plastic Inlays (Material)	EPS	EPS	EPS	EPS
		Plastic Inlays (Weight)	377g	377g	377g	377g
		Plastic Inlays (Material)	-	-	-	-
		Plastic Inlays (Weight)	-	-	-	-
		Monitor bag (Material)	PE	PE	PE	PE
		Monitor bag (Weight)	24g	24g	24g	24g
		Power Cable bag (Material)	PE	PE	PE	PE
		Power Cable bag (Weight)	4g	4g	4g	4g
		Signal Cable bag (Material)	PE	PE	PE	PE
9.9. European Recycling	Signal Cable bag (Weight)	2g	2g	2g	2g	2g
	Manual bag (Material)	OPP	OPP	OPP	OPP	OPP
	Manual bag (Weight)	5g	5g	5g	5g	5g
	Joint (Material)	-	-	-	-	-
	Joint (Weight)	-	-	-	-	-
	Other bag / bag (Material)	PE	PE	PE	PE	PE
	Other bag / bag (Weight)	8g	8g	8g	8g	8g
	G5 Total Weight	429g	429g	429g	429g	429g
	G2 + G5 Weight	1432g	1432g	1432g	1432g	1432g
	Percentage of separable material for recycling (%)	97.0%	97.0%	97.0%	97.0%	97.0%

