Product Verification Report

Product Name : **RUP2732CMI_CTD**

Model Name : **RUP2732CMI_CTD**

Product Stage : **MP**

Product No. : **1A2C27260118100**

Revision : **0**

Prepared By : **Jack Lu** **Date** : **2026/05/20**

Approved by : **Rongchi_Liao** **Date** : **2026/05/20**

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Part	**Test Item**	**Descriptions**	**Result**
F/W	1. Burn in Test	Test and verify monitor's burn in stability. Criteria: 1. No any failure during the test. 2. Document everything.	PASS
F/W	2. Source Test	Test and verify input source are working properly and according to spec. Criteria: 1. All supported signal must display properly. 2. When there's no signal, No signal is displayed. 3. When Off Mode is turn on, make sure monitor will go to sleep. 4. Make sure when switching signal or plug/unplug signal LCD display properly. 5. Follow Engineering spec/Product spec.	PASS
F/W	3. OSD Function Test	To test and verify all of OSD functions are as intended. Criteria: 1. All the abnormalities found during testing must be documented. 2. Follow engineering specification for different variation functions.	PASS
F/W	4. Characteristic Test	All optical characteristic must be within engineering and product spec. Criteria: 1. Brightness value must be greater than the minimum panel specification. 2. RGB value must be within≦±0.03. 3. Color Temperature(6800K)(x, y): (0.308±0.01 ; 0.325±0.01) 4. Follow Panel spec/ Engineering Spec/Product spec.	PASS

1. Burn In Test

Test Engineer	Jack Lu	Date	2026/5/15~2026/5/18	Stage	Result
				MP	PASS

Test Propose

Test and verify monitor's stability during burn in test.

Evaluation Environment

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel ® Core™ i5-6400 CPU @ 2.7GHz		
Graphics Card	NVIDIA GeForce GTX1080		
O.S.	Windows 10 Pro - 64bit		
Test Equipment	EXTECH AC POWER SOURCE CFW-105	N/A	N/A

Stage Description

Description Of Change: Substitute materials for NEXPERIA component.

NEXPERIA materials (Before)	Substitute materials (After)	Affected Philips Models			Where-used Product
		BU	Philips Part number	Model name	
DIODE PMEG2020EH (Diva PN: 3D2020EH01Y)	DIODE (SL24PL-TP, MCC) Diva PN: 3DSL24PL01Y	CT	300008928961	RUP2732CMI_CTD	USB Hub BD
DIODE BAT54C (Diva PN: 3DBAT54006Y)	DIODE (BAT54C-TP, MCC) Diva PN: 3DBAT54009Y	CT	300008928961	RUP2732CMI_CTD	Main Board
DIODE BAT54S (Diva PN: 3DBAT54008Y)	DIODE (BAT54S-TP, MCC) Diva PN: 3DBAT54019Y	CT	300008928961	RUP2732CMI_CTD	Main Board

Evaluation Unit Level

LCD Module	INNOLUX 27" : R270KCJ-L03
Power Board	PSU (24V10.41A,MDS-250APB24 AB,IC133 ST) (3ZAD24V1112)
F/W Version	RUP2732CMI_CTD_230215R0V01
Front Sensor Board	2AAD536R03V
Key Board	2AAD464R037
Main Board	2AAD536R138
USB Hub Board	2AAD462R03U
USB Type A Board	2AAD462R33U
Interface Signal	DVI/DP/USB Hub
Serial Number	RD230106002

Test Standard

Burn In Test Specification

Criteria

1. No any failure during the test.
2. Document everything.

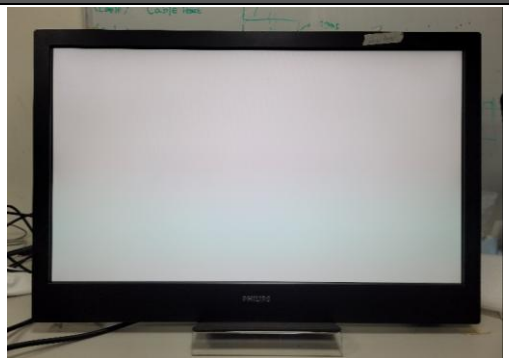
Burn In Test

Test Procedure	Result	Note
1. Confirm that the OSD function is intact.	Pass	
2. Confirm set up the monitor to burn in mode.	Pass	
3. Confirm that there is no drop line, flicker or other abnormal screen on the burn in mode screen.	Pass	
4. Confirm there's no abnormal screen happen during the burn in test.	Pass	
5. After Test, confirm that the function and operation normal.	Pass	

Test Condition

Applied Voltage	110V/60Hz	Test Pattern	Burn in Pattern	Test Duration	24 hours

Function Check			Before Test	After Test	Note
Electronic	OSD Control Function	OSD Light Bar Adjust	Pass	Pass	
		Brightness	Pass	Pass	
		Color Mode	Pass	Pass	
		Scaling	Pass	Pass	
		OSD Display	Pass	Pass	
		Power Key Lock	Pass	Pass	
		Recall	Pass	Pass	
		OSD Information Check	Pass	Pass	
	Key Function Check	Check Up Key and Operation Normal	Pass	Pass	
		Check Menu/Enter Key and Operation Normal	Pass	Pass	
		Check Down Key and Operation Normal	Pass	Pass	
	Image Quality	Check SMPTE TEST PATTERN	Pass	Pass	
		Check ColorBar TEST PATTERN	Pass	Pass	
		Check GrayScale TEST PATTERN	Pass	Pass	
		Check Raster TEST PATTERN	Pass	Pass	
	Power Management	Check Power AC On/Off and Operation Normal	Pass	Pass	
		Check Power DC On/Off and Operation Normal	Pass	Pass	
		Check Power saving On/Off and Operation Normal	Pass	Pass	

PHOTO OF TEST		
Before Test	After Test	Note
		
Function Check		**Note**
		

2. Source Test

Test Engineer	Jack Lu	Date	2026/5/18	Stage	Result
				MP	PASS

Test Propose

Test and verify input source are working properly and according to spec.

Evaluation Unit Level

Temperature	25ºC±2ºC
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel ® Core™ i5-6400 CPU @ 2.7GHz		
Graphics Card	NVIDIA GeForce GTX1080- Driver388.13		
O.S.	Windows 10 Pro 64bit		

Stage Description

Description Of Change: Substitute materials for NEXPERIA component.

NEXPERIA MPN / DIVA PN	Substitute materials (After)	Affected Philips Models			Where-used Product
		BU	Philips Part number	Model name	
DIODE PMEG2020EH (Diva PN: 3D2020EH01Y)	DIODE (SL24PL-TP, MCC) Diva PN: 3DSL24PL01Y	CT	300008928961	RUP2732CMI_CTD	USB Hub BD
DIODE BAT54C (Diva PN: 3DBAT54006Y)	DIODE (BAT54C-TP, MCC) Diva PN: 3DBAT54009Y	CT	300008928961	RUP2732CMI_CTD	Main Board
DIODE BAT54S (Diva PN: 3DBAT54008Y)	DIODE (BAT54S-TP, MCC) Diva PN: 3DBAT54019Y	CT	300008928961	RUP2732CMI_CTD	Main Board

Evaluation Unit Level

LCD Module	INNOLUX 27" : R270KCJ-L03
Power Board	PSU (24V10.41A,MDS-250APB24 AB,IC133 ST) (3ZAD24V1112)
F/W Version	RUP2732CMI_CTD_230215R0V01
Front Sensor Board	2AAD536R03V
Key Board	2AAD464R037
Main Board	2AAD536R138
USB Hub Board	2AAD462R03U
USB Type A Board	2AAD462R33U
Interface Signal	DVI/DP/USB Hub
Serial Number	RD230106002

Test Standard

Source Test Specification

Criteria

1. All supported signal must display properly.
2. When there's no signal, No signal is displayed.
3. When Off Mode is turn on, make sure monitor will go to sleep.
4. Make sure when switching signal or plug/unplug signal LCD display properly.
5. Follow Engineering Spec/Product spec.

Source Test

Test Condition

Resoultion	2560x1440/60Hz	Test Pattern	General Pattern	Source	DVI / DP

Function Check

Item	Description	Result	Note
DVI	1. Confirm connection DVI cable to DVI signal and check the screen display normal.	Pass	
	2. Confirm DVI signal LED indicator show green	Pass	
	3. Confirm unplug DVI signal , make sure OSD Message shows " No Signal " and go to power saving mode	Pass	
	4. Confirm execute power AC on/off and check Philips startup logo.	Pass	
	5. Confirm execute power AC on/off and check the screen display normal	Pass	
	6. Confirm execute power DC on/off and check the screen display normal.	Pass	
	7. Check Plug and unplug input signal connection and the screen display normal.	Pass	
	8. Confirm Timing switch and check resolution/source information to display correctly.	Pass	
DP	1. Confirm connection DP cable to DP signal and check the screen display normal.	Pass	
	2. Confirm DP signal LED indicator show green	Pass	
	3. Confirm unplug DP signal , make sure OSD Message shows " No Signal " and go to power saving mode.	Pass	
	4. Confirm execute power AC on/off and check Philips startup logo.	Pass	
	5. Confirm execute power AC on/off and check the screen display normal	Pass	
	6. Confirm execute power DC on/off and check the screen display normal.	Pass	
	7. Check Plug and unplug input signal connection and the screen display normal.	Pass	
	8. Confirm Timing switch and check resolution/source information to display correctly.	Pass	

3. OSD Function Test

Test Engineer	Jack Lu	Date	2026/5/20	Stage	Result
				MP	PASS

Test Propose

To test and verify all of OSD functions are as intended.

Evaluation Unit Level

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel ® Core™ i5-6400 CPU @ 2.7GHz		
Graphics Card	NVIDIA GeForce GTX1080		
O.S.	Windows 10 Pro - 64bit		

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DIODE BAT54S (Diva PN: 3DBAT54008Y)	DIODE (BAT54S-TP, MCC) Diva PN: 3DBAT54019Y	CT	300008928961	RUP2732CMI_CTD	Main Board

Evaluation Unit Level

LCD Module	INNOLUX 27" : R270KCJ-L03
Power Board	PSU (24V10.41A,MDS-250APB24 AB,IC133 ST) (3ZAD24V1112)
F/W Version	RUP2732CMI_CTD_230215R0V01
Front Sensor Board	2AAD536R03V
Key Board	2AAD464R037
Main Board	2AAD536R138
USB Hub Board	2AAD462R03U
USB Type A Board	2AAD462R33U
Interface Signal	DVI/DP/USB Hub
Serial Number	RD230106002

Test Standard

OSD Function Test Specification

Criteria

All the abnormalities found during testing must be documented.
Follow engineering specification for different variation functions.

OSD Detail Function Check

Test Item	Description		Result	Note
Exit -> Model Name:RUP2732CMI_CTD -> FW Version: 230215R0V01 -> Serial Number: RD230106002	1. Confirm open OSD menu and select Exit Item and check Model Name,FW Version and Serial Number can be read out via the OSD menu.		Pass	
	2. Confirm support signal source Exit function.		Pass	
	3. Confirm when AC/DC On/Off and Recall is executed, and check Model Name,FW Version and Serial Number can be read out via the OSD menu.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the EXit menu information is correct in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Input Source Settings -> Input Source: DVI -> Resolution: 2560x1440 -> H / V Freq: 88.9kHz / 60 Hz	1. Confirm input source set DVI and the DVI signal screen display normal.		Pass	
	2. Confirm input source set DVI and OSD Information show Input Source, Resolution and H / V Freq.		Pass	
	3. Confirm switch DP input signal and confirm that OSD message show " No Signal and go to power saving mode.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Input Source Settings -> Input Source: DP -> Resolution: 2560x1440 -> H / V Freq: 88.9kHz / 60 Hz	1. Confirm input source set DP and DP signal the screen display normal.		Pass	
	2. Confirm input source set DP and OSD Information show Input Source, Resolution and H / V Freq.		Pass	
	3. Confirm switch DP input signal and confirm that OSD message show " No Signal and go to power saving mode.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the OSD function and screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings -> Brightness: MAX -> 350cd/m² (Default setting)	1. Confirm Brightness set to MAX and Brightness is set at maximum.		Pass	
	2. Confirm Brightness set to MAX. and the LED status show red light.		Pass	
	3. Confirm Brightness set to MAX. and the AC on/off Brightness will return to the 350cd/m².		Pass	
	4. Confirm Brightness OSD Information show Brightness, Display Mode and Color Temp.		Pass	
	5. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	6. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings -> Brightness: 250cd/m² -> 350cd/m² (Default setting)	1. Confirm Brightness is set at 250cd/m².		Pass	
	2. Confirm Brightness set 250cd/m² and the brightness value is 250cd/m²±5%. (Use X-RiteiOne or CA-310 measure)		Pass	
	3. Confirm Brightness set 250cd/m² and the LED status display green light. (LED OFF after 5 seconds)		Pass	
	4. Confirm Brightness OSD Information show Brightness, Display Mode and Color Temp.		Pass	
	5. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	6. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings -> Brightness: 300cd/m² -> 350cd/m² (Default setting)	1. Confirm Brightness is set at 300cd/m²		Pass	
	2. Confirm Brightness set 300cd/m² and the brightness value is 300cd/m²±5%. (Use X-RiteiOne or CA-310 measure)		Pass	
	3. Confirm Brightness set 300cd/m² and the LED status display green light. (LED OFF after 5 seconds)		Pass	
	4. Confirm Brightness OSD Information show Brightness, Display Mode and Color Temp.		Pass	
	5. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	6. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	

OSD Detail Function Check

Test Item	Description		Result	Note
Image Settings -> Brightness: 350cd/m² -> 350cd/m² (Default setting)	1. Confirm Brightness is set at 350cd/m².		Pass	
	2. Confirm Brightness set 350cd/m² and the brightness value is 300cd/m²±5%. (Use X-RiteiOne or CA-310 measure)		Pass	
	3. Confirm Brightness set 350cd/m² and the LED status display green light. (LED OFF after 5 seconds)		Pass	
	4. Confirm Brightness OSD Information show Brightness, Display Mode and Color Temp.		Pass	
	5. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	6. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings -> Brightness: 400cd/m² -> 400cd/m² (Default setting)	1. Confirm Brightness is set at 400cd/m².		Pass	
	2. Confirm Brightness set 400cd/m² and the brightness value is 300cd/m²±5%. (Use X-RiteiOne or CA-310 measure)		Pass	
	3. Confirm Brightness set 400cd/m² and the LED status display green light. (LED OFF after 5 seconds)		Pass	
	4. Confirm Brightness OSD Information show Brightness, Display Mode and Color Temp.		Pass	
	5. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	6. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Display Function -> NATIVE MODE -> CAL.DICOM (Default setting)	1. Confirm set Gamma curve to NATIVE MODE and the screen display normal.		Pass	
	2. Confirm DP signal source NATIVE MODE function and the screen display normal.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Display Function -> DICOM 1 -> CAL.DICOM (Default setting)	1. Confirm set Gamma curve to DICOM 1 and the screen display normal.		Pass	
	2. Confirm DP signal source DICOM 1 function and the screen display normal.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Display Function -> DICOM 2 -> CAL.DICOM (Default setting)	1. Confirm set Gamma curve to DICOM 2 and the screen display normal.		Pass	
	2. Confirm DP signal source DICOM 2 function and the screen display normal.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall..	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Display Function -> DICOM 3 -> CAL.DICOM (Default setting)	1. Confirm set Gamma curve to DICOM 3 and the screen display normal.		Pass	
	2. Confirm DP signal source DICOM 3 function and the screen display normal.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Display Function -> DICOM 4 -> CAL.DICOM (Default setting)	1. Confirm set Gamma curve to DICOM 4 and the screen display normal.		Pass	
	2. Confirm DP signal source DICOM 4 function and the screen display normal.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	

OSD Detail Function Check

Test Item	Description		Result	Note
Image Settings Display Function -> CAL.DICOM (Default setting)	1. Confirm set Gamma curve to CAL.DICOM and the screen display normal.		Pass	
	2. Confirm DP signal source CAL.DICOM function and the screen display normal.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Display Function -> PMS-TG3 -> CAL.DICOM (Default setting)	1. Confirm set Gamma curve to PMS-TG3 and the screen display normal.		Pass	
	2. Confirm DP signal source PMS-TG3 function and screem display normal.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Color Temp. -> 6800K (Default setting)	1. Confirm Color Temp set 6800K and color temp (x , y) meet x: 0.308±0.01 ; y: 0.325±0.01.		Pass	
	2. Confirm DP signal source 6800K function.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Scaling -> Full Screen -> Aspect Ratio (Default setting)	1. Confirm scaling set Full Screen and expands the current image to the full size of the monitor.		Pass	
	2. Confirm DP signal source Full Sceen function.		Pass	
	3. Confirm timing set 2560x1440 and scaling option is not grayed out and cannot be selected.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Scaling -> Aspect Ratio (Default setting)	1. Confirm scaling set Aspect Ratio and expands the video image until its largest dimension fills the screen, while maintaining the aspect ratio of the image size.		Pass	
	2. Confirm DP signal source Aspect Ratio function.		Pass	
	3. Confirm timing set 2560x1440 and scaling option is not grayed out and cannot be selected.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Image Settings Scaling -> Native -> Aspect Ratio (Default setting)	1. Confirm scaling set Native and Display image as its original input image resolution		Pass	
	2. Confirm DP signal source Native function.		Pass	
	3. Confirm timing set 2560x1440 and scaling option is not grayed out and cannot be selected.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
OSD Misc. OSD Position -> Top Left -> Bottom Right (Default setting)	1. Confirm OSD Position set Top Left and OSD Menu move to Top Left Position		Pass	
	2. Confirm DP signal source OSD Position-> Top Left function.		Pass	
	3. Make sure to press the Up Key or Down Key to move to the Top Left Position , Top Right Position , Bottom Left Position and Bottom Right Position of the OSD Position setting.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	

OSD Detail Function Check

Test Item	Description		Result	Note
OSD Misc. OSD Position -> Top Right -> Bottom Right (Default setting)	1. Confirm OSD Position set Top Right and OSD Menu move to Top Right Position		Pass	
	2. Confirm DP signal source OSD Position function.		Pass	
	3. Make sure to press the Up Key or Down Key to move to the Top Left Position , Top Right Position , Bottom Left Position and Bottom Right Position of the OSD Position setting.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
OSD Misc. OSD Position -> Bottom Left -> Bottom Right (Default setting)	1. Confirm OSD Position set Bottom Left and OSD Menu move to Bottom Left Position		Pass	
	2. Confirm DP signal source OSD Position function.		Pass	
	3. Make sure to press the Up Key or Down Key to move to the Top Left Position , Top Right Position , Bottom Left Position and Bottom Right Position of the OSD Position setting.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
OSD Misc. OSD Position -> Bottom Right (Default setting)	1. Confirm OSD Position set Bottom Right and OSD Menu move to Bottom Right Position		Pass	
	2. Confirm DP signal source OSD Position function.		Pass	
	3. Make sure to press the Up Key or Down Key to move to the Top Left Position , Top Right Position , Bottom Left Position and Bottom Right Position of the OSD Position setting.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
OSD Misc. OSD Language -> English (Default setting)	1. Confirm OSD Language set English and display OSD in English.		Pass	
	2. Confirm DP signal source OSD Language function.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
OSD Misc. OSD Timeout ->10 / 20 / 30 / 40 / 50 /60 -> 30 (Default setting)	1. Confirm OSD timeout set 10/20/30/30/40/50/60 seconds and this function allows users to set OSD menu timeout duration.		Pass	
	2. Confirm DP signal source OSD Timeout function.		Pass	
	3. Confirm the OSD menu timeout is set at 30 seconds by default.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for support input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
OSD Misc. OSD Blend -> 0~7 -> 0 (Default setting)	1. Confirm OSD Blend set 0~7 and this setting allows users to increase the transparency of the OSD menu.		Pass	
	2. Confirm the OSD menu blend is set at 0 (OFF) by default.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for support input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Management Settings OSD Lock -> On (Default setting)	1. Confirm OSD Lock set On and this function allows users to lock the keypad to prevent unintentional access to the OSD menu.		Pass	
	2. Confirm the OSD lock function is on by default.		Pass	
	3 Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 4 for support input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	

OSD Detail Function Check

Test Item	Description		Result	Note
Management Settings OSD Lock -> Off -> On (Default setting)	1. Confirm OSD Lock set On and this function allows users to unlock the keypad to prevent unintentional access to the OSD menu.		Pass	
	2. Confirm DP signal source OSD Lock function.		Pass	
	3. Confirm the OSD lock function is on by default.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Management Settings DVI 5V Output -> Off -> Pin 14 On (Default setting)	1. Confirm DVI 5V Output set Off and no display screen and OSD Massage show No sync.		Pass	
	2. Confirm the DVI 5V Output function is Pin 14 On by default.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Management Settings DVI 5V Output -> Pin 14 On (Default setting)	1. Confirm DVI 5V Output set Pin 14 On and it is used to drive a receiver of a CAT-based or fiber optic based DVI extender and screen display normally.		Pass	
	2. Confirm the DVI 5V Output function is Pin 14 On by default.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Management Settings DVI 5V Output -> Pin 16 On -> Pin 14 On (Default setting)	1. Confirm DVI 5V Output set Pin 16 On and it is used to drive a receiver of a CAT-based or fiber optic based DVI extender and screen display normally.		Pass	
	2. Confirm the DVI 5V Output function is Pin 14 On by default.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Management Settings DC 5V Power -> On (Default setting)	1. Confirm DC 5V Power set on and use DC 5V Power and output voltage is 5V.		Pass	
	2. Confirm DP signal source DC 5V Power function.		Pass	
	3. Confirm the DC 5V Power is On by default.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Management Settings DC 5V Power -> Off -> On (Default setting)	1. Confirm DC 5V Power set off and use meter measure main board P1701_Pin1 and output voltage is 0V.		Pass	
	2. Confirm DP signal source DC 5V Power function.		Pass	
	3. Confirm the DC 5V Power is On by default.		Pass	
	4. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	5. Perform steps 1 to 4 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	
Management Settings Recall	1. Confirm Recall set Yes and this function allows users to revert the monitor settings back to factory default.		Pass	
	2. Confirm DP signal source Recall function.		Pass	
	3. Confirm that the default value is not returned when AC/DC On/Off is executed, and the default setting is returned when Recall is executed.		Pass	
	4. Perform steps 1 to 3 for input sources, and confirm that the screen is normal in the AC/DC On/Off and Recall.	AC On/Off	Pass	
		DC On/Off	Pass	
		Recall	Pass	

4. Characteristic Test

Test Engineer	Jack Lu	Date	2026/5/15~2026/5/19	Stage	Result
				MP	PASS

Test Propose

All optical characteristic must be within engineering and product spec.

Evaluation Unit Level

Temperature	25°C±2°C
Reltative Humidity	50%±10%(RH)

Evaluation Equipment

Processor	Intel ® Core™ i5-6400 CPU @ 2.7GHz		
Graphics Card	NVIDIA GeForce GTX1080		
O.S.	Windows 10 Pro - 64bit		
Test Equipment	Color Display Analyzer CA-410	Measure Sensor: X-RiteiOne	N/A

Stage Description

Description Of Change: Substitute materials for NEXPERIA component.

NEXPERIA materials (Before)	Substitute materials (After)	Affected Philips Models			Where-used Product
		BU	Philips Part number	Model name	
DIODE PMEG2020EH (Diva PN: 3D2020EH01Y)	DIODE (SL24PL-TP, MCC) Diva PN: 3DSL24PL01Y	CT	300008928961	RUP2732CMI_CTD	USB Hub BD
DIODE BAT54C (Diva PN: 3DBAT54006Y)	DIODE (BAT54C-TP, MCC) Diva PN: 3DBAT54009Y	CT	300008928961	RUP2732CMI_CTD	Main Board
DIODE BAT54S (Diva PN: 3DBAT54008Y)	DIODE (BAT54S-TP, MCC) Diva PN: 3DBAT54019Y	CT	300008928961	RUP2732CMI_CTD	Main Board

Evaluation Unit Level

LCD Module	INNOLUX 27" : R270KCJ-L03
Power Board	PSU (24V10.41A,MDS-250APB24 AB,IC133 ST) (3ZAD24V1112)
F/W Version	RUP2732CMI_CTD_230215R0V01
Front Sensor Board	2AAD536R03V
Key Board	2AAD464R037
Main Board	2AAD536R138
USB Hub Board	2AAD462R03U
USB Type A Board	2AAD462R33U
Interface Signal	DVI/DP/USB Hub
Serial Number	RD230106002

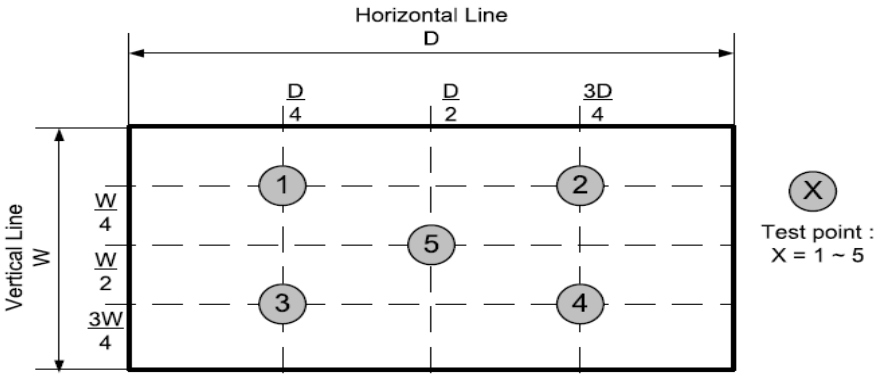
Test Standard

Characteristic Test Specification / INNOLUX R270KCJ-L03 Panel Specification

Criteria

1. Brightness value must be greater than the minimum panel specification.
2. Contrast value must be greater than the min panel spec.
3. RGB value must be within≦±0.03.
4. Color Temperature(6800K)(x, y): (0.308±0.01 ; 0.325±0.01)
5. Follow Panel Spec / Engineering Spec/Product Spec

Optical Characteristics Test



Test Procedure	Result	Note
1. Burn in more than 30 min	Pass	
2. Confirm adjust OSD settings : Brightness→ MAX., Display Function→ NATIVE	Pass	
3. Confirm open Full white pattern,and the X-RiteiOne or CA-410 to measure the screen five points.	Pass	
4. Record the x, y, and Y values of five points	Pass	
5. Check that the characteristic meet the specifications.	Pass	

Test Condition

Measure Sensor	CA-410	**Test Software**	DIVA Measure Tool v 2.0.8.10	**Resolution**	2560x1440/60Hz(DP)
Brightness	Max	**Display Function**	NATIVE MODE	**Measure Pattern**	White Pattern/Black Pattern

Test Spec

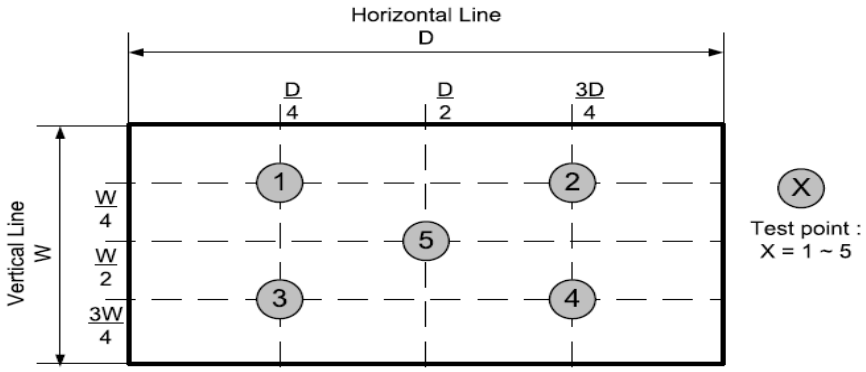
White Luminance (Center of screen)	400cd/m²(Min), 500cd/m²(Typ)
Contrast Ratio	700(Min), 1000(Typ)

Measurement Record

Condition	Position	Measure Data			Result	Note
		x	y	Y		
White Pattern Brightness: MAX. Display Function: NATIVE	Up-Left Corner	0.2885	0.3140	500.78	Pass	Unit: cd/m²
	Up-Right Corner	0.2879	0.3112	515.35	Pass	Unit: cd/m²
	Center	0.2877	0.3115	522.62	Pass	Unit: cd/m²
	Down-Left Corner	0.2905	0.3168	487.62	Pass	Unit: cd/m²
	Down-Right Corner	0.2894	0.3142	485.09	Pass	Unit: cd/m²
Black Pattern	Center	0.2483	0.2619	0.42	Pass	Unit: cd/m²

Measurement Conclusion	Measure Data	Result	Note
Contrast Ratio (Center of screen)	1244.33	Pass	Luminance of white pattern / Luminance of black pattern
White Luminance (Center of screen)	522.62	Pass	Unit: cd/m²

Color/Chromaticity Coordinates Test



Test Procedure	Result	Note
1. Burn in more than 30min.	Pass	
2. Confirm adjust OSD settings : Brightness: 350cd/m², Display Function: CAL.DICOM.	Pass	
3. Confirm open Red/Green/Blue/White pattern, and the X-RiteiOne or CA-410 to measure the screen five points.	Pass	
4. Record the Red(x, y), Green(x, y) Blue(x, y) and White(x, y) values of five points	Pass	
5. Check that the x and y values meet the panel spec range.	Pass	

Test Condition

Measure Sensor	CA-410	Measure Tool	DIVA Measure Tool v 2.0.8.10	Resolution	2560x1440/60Hz(DP)
Brightness	350cd/m²	Display Function	CAL.DICOM	Measure Pattern	Red/Green/Blue/White screen

Test Spec

Color Coordinates	x , y	Spec(-0.03)	x	Spec(+0.03)	Spec(-0.03)	y	Spec(+0.03)
Red x , Red y	Rx , Ry	0.65	0.678	0.708	0.280	0.310	0.340
Green x , Green y	Gx , Gy	0.237	0.267	0.297	0.633	0.663	0.693
Blue x , Blue y	Bx ,By	0.116	0.146	0.176	0.026	0.056	0.086
White x , White y	Wx , Wy	0.283	0.313	0.343	0.299	0.329	0.359

Measurement Record

Color Coordinates	Position		Measure Data			Result	Note
			x	y	Y		
Red x : 0.678±0.03 Red y : 0.310±0.03	Red	Up-Left Corner	0.6711	0.3138	80.07	Pass	Unit: cd/m²
		Up-Right Corner	0.6708	0.3137	80.32	Pass	Unit: cd/m²
		Center	0.6707	0.3138	78.45	Pass	Unit: cd/m²
		Down-Left Corner	0.6716	0.3141	72.18	Pass	Unit: cd/m²
		Down-Right Corner	0.6711	0.3138	68.84	Pass	Unit: cd/m²
Color Coordinates	**Position**		**Measure Data**			**Result**	**Note**
			x	**y**	**Y**		
Green x: 0.267±0.03 Green y: 0.663±0.03	Green	Up-Left Corner	0.2613	0.6760	264.81	Pass	Unit: cd/m²
		Up-Right Corner	0.2616	0.6751	267.92	Pass	Unit: cd/m²
		Center	0.2608	0.6760	261.38	Pass	Unit: cd/m²
		Down-Left Corner	0.2613	0.6767	237.62	Pass	Unit: cd/m²
		Down-Right Corner	0.2616	0.6758	230.59	Pass	Unit: cd/m²
Color Coordinates	**Position**		**Measure Data**			**Result**	**Note**
			x	**y**	**Y**		
Blue x: 0.146±0.03 Blue y: 0.056±0.03	Blue	Up-Left Corner	0.1509	0.0465	23.16	Pass	Unit: cd/m²
		Up-Right Corner	0.1508	0.0456	23.53	Pass	Unit: cd/m²
		Center	0.1507	0.0462	23.17	Pass	Unit: cd/m²
		Down-Left Corner	0.1505	0.0474	20.56	Pass	Unit: cd/m²
		Down-Right Corner	0.1506	0.0465	20.14	Pass	Unit: cd/m²
Color Coordinates	**Position**		**Measure Data**			**Result**	**Note**
			x	**y**	**Y**		
White x: 0.313±0.03 White y: 0.329±0.03	White	Up-Left Corner	0.3046	0.3208	363.13	Pass	Unit: cd/m²
		Up-Right Corner	0.3020	0.3171	368.36	Pass	Unit: cd/m²
		Center	0.3019	0.3178	357.99	Pass	Unit: cd/m²
		Down-Left Corner	0.3074	0.3253	327.56	Pass	Unit: cd/m²
		Down-Right Corner	0.3040	0.3209	316.89	Pass	Unit: cd/m²

Color Temperature Test

Test Procedure	Result	Note
1. Burn in more than 30min.	Pass	
2. Confirm OSD settings: Brightness: 350cd/m², Display Function: DICOM1/DIOCM2/DICOM3/DIOCM4/CAL.DICOM/PMSTG3.	Pass	
3. Confirm open White pattern, and the X-RiteiOne or Color Display Analyzer CA-410 to measure the screen center point.	Pass	
4. Record x, y and Y values for different color temperatures.	Pass	
5. Check that the x and y values meet the product spec range.	Pass	

Test Condition

Measure Sensor	CA-410	Test Software	DIVA Measure Tool v 2.0.8.10	Resolution	2560x1440/60Hz(DP)
Brightness	350cd/m²	Measure Pattern	Full White Pattern		
Display Function	DICOM1/DICOM2/DICOM3/DICOM4/CAL.DICOM/PMS-TG3				

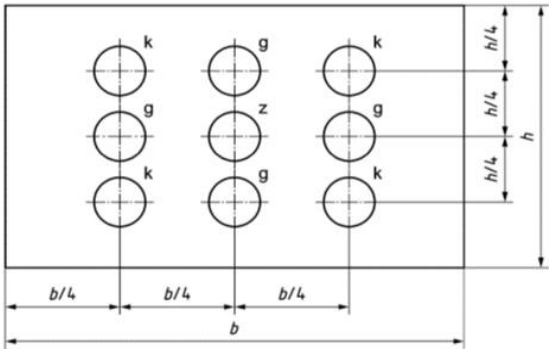
Test Spec

Color Temperature	x , y	Spec(-0.01)	x	Spec(+0.01)	Spec(-0.01)	y	Spec(+0.01)
6800K	x , y	0.278	0.308	0.338	0.295	0.325	0.355

Measurement Record

Display Function	Position	Measure Data			Result	Note
		x	y	Y		
DICOM1	Center Position	0.3017	0.3173	353.57	Pass	
DICOM2	Center Position	0.3020	0.3174	351.94	Pass	
DICOM3	Center Position	0.3018	0.3172	354.38	Pass	
DICOM4	Center Position	0.3018	0.3173	353.93	Pass	
CAL.DICOM	Center Position	0.3017	0.3174	355.81	Pass	
PMS-TG3	Center Position	0.3019	0.3173	354.36	Pass	

Luminance Uniformity DIN6868-157 Test



Test Procedure	Result	Note
1. Burn in more than 30 min.	Pass	
2. Confirm adjust OSD settings (Brightness: 350cd/m² , Display Function: CAL.DICOM)	Pass	
3. Confirm execute Measure Tool Uniformity DIN 6868-157 function and the X-RiteiOne to measure 9 points.	Pass	
4. Check that the luminance uniformity DIN6868-157 meet the spec range. (H< 25%)	Pass	

Test Condition

Measure Sensor	X-RiteiOne	**Test Software**	DIVA Measure Tool v2.0.8.10	**Resolution**	2560x1440//60Hz(DP)
Color Temp.	6800K	**Brightness**	350cd/m²	**Display Function**	CAL.DICOM
Input Source Settings	DVI	**Measure Pattern**	10%/80% Luminance (9 points)		

Test Spec

Luminance Uniformity DIN6868-157	H< 25% (9-points, 10%/80% Luminance)

Measurement Record

Pattern	10% Luminance						Result	Pass
1	2	3	4	5	6	7	8	9
2.18	2.47	2.37	2.09	2.40	2.31	2.14	2.27	2.23
Luminance Uniformity	**16.62**							
Pattern	80% Luminance						Result	Pass
1	2	3	4	5	6	7	8	9
197.01	217.8	209.11	191.97	211.79	204.44	192.50	201.60	196.06
Luminance Uniformity	**12.61**							

Stabilized Brightness Test

Test Procedure	Result	Note
1. Burn in more than 30 min.	Pass	
2. Confirm adjust OSD settings.	Pass	
3. Confirm open White pattern, and the X-RiteiOne or CA-410 to measure the screen center point.	Pass	
4. Record x, y and Y values for different color temperatures.	Pass	
5. Check that the x and y values match the product spec range.	Pass	

Test Condition

Measure Sensor	CA-410	Test Software	DIVA Measure Tool v2.0.8.10	Resolution	2560x1440//60Hz(DP)
Color Temp.	6800K	Brightness	250/300/350/400cd/m²	Input Source Settings	DVI
Display Function	DICOM1/DICOM2/DICOM3/DICOM4/CAL.DICOM/PMS-TG3/NATIVE MODE				

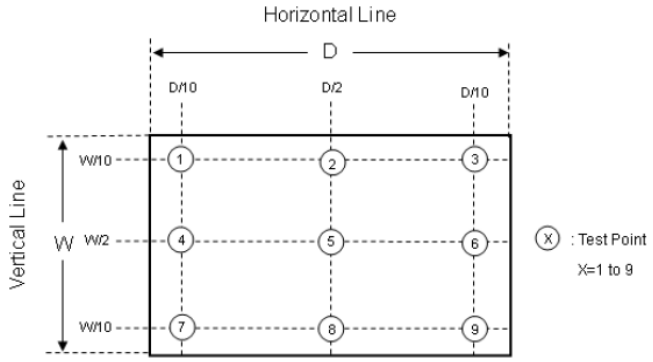
Test Spec

Test Item	Spec(-5%)	Luminance	Spec(+5%)	Note
Brightness: 250cd/m²	237.5cd/m²	250cd/m²	262.5cd/m²	
Brightness: 300cd/m²	285cd/m²	300cd/m²	315cd/m²	
Brightness: 350cd/m²	332.5cd/m²	350cd/m²	367.5cd/m²	
Brightness: 400cd/m²	380cd/m²	400cd/m²	420cd/m²	

Measurement Record

Brightness	Display Function							Note
	DICOM1	DICOM2	DICOM3	DICOM4	CAL.DICOM	PMS-TG3	Result	
250cd/m²	N/A	N/A	N/A	N/A	255.57	N/A	Pass	
300cd/m²	N/A	N/A	N/A	N/A	312.37	N/A	Pass	
350cd/m² (Dsfault setting)	354.25	353.18	354.16	352.68	355.37	355.67	Pass	
400cd/m²	N/A	N/A	N/A	N/A	414.56	N/A	Pass	

Luminance Uniformity Test



Test Procedure	Result	Note
1. Burn in more than 30 min.	Pass	
2. Confirm adjust OSD settings.	Pass	
3. Confirm open full white patterrn and the CA-410 to measure 9 points luminance.	Pass	
4. Check that the luminance uniformity(9 points) matches the panel spec range.	Pass	

Test Condition

Measure Sensor	CA-410	Test Software	DIVA Measure Tool v2.0.8.10	Resolution	2560x1440/60Hz(DP)
Brightness	350cd/m²	Display Function	CAL.DICOM	Test Pattern	Full White Pattern

Test Spec

White Variation (9 points)	75%(Min)

Measurement Record

Condition	Position	Measure Data			Result	Note
		x	y	Y		
White screen (9 points)	Upper Left Corner	0.3049	0.3212	373.36	Pass	Unit: cd/m²
	Upper Middle Corner	0.3018	0.3185	375.59	Pass	Unit: cd/m²
	Upper Right Corner	0.3010	0.3166	381.16	Pass	Unit: cd/m²
	Center Left Corner	0.3061	0.3226	334.67	Pass	Unit: cd/m²
	Center	0.3017	0.3172	359.13	Pass	Unit: cd/m²
	Center Right Corner	0.3031	0.3182	341.04	Pass	Unit: cd/m²
	Bottom Left Corner	0.3082	0.3258	318.28	Pass	Unit: cd/m²
	Bottom Middle Corner	0.3029	0.3195	333.42	Pass	Unit: cd/m²
	Bottom Right Corner	0.3043	0.3207	301.61	Pass	Unit: cd/m²

Measurement Conclusion	Measure Data	Result	Note
White Variation (9 points)	88.61%	Pass	(Minimum / Maximum) x100&

DIN 6868-157 Acceptance Test

Facility		Manufacturer	DVA
Department		Model	RUP2732CMICTD
Room		Display Technology	Flat
Workstation Name	ADM-DEMO-1	Type Of Display	Color
Responsible Person Name		Serial Number	RD230106002
Address		Room Class	RC 3
Email		Display Inventory Number	
Phone Number		Body-region	
		Video Adapter	NVIDIA Quadro M4000
Sensor Manufacturer	EyeOne	Date of test	2026/5/20 下午 02:41
Sensor Model	DisplayPro	Date of print	2026/5/20 下午 02:41
Sensor Serial	OE-20.B-02.109914.02	Test Image Source	PerfectLum Suite
Calibration Date		Tester	Jim
		Testing conditions	Office
		Viewing software	
		Software Version	PerfectLum Suite 3.9 (1318)

DIN 6868-157 Acceptance Test



Summary

Test	Result
Display Resolution 8.4-8.5	OK
Luminance Uniformity 8.3.6	OK
Maximum, minimum, veiling luminance and maximum luminance ratio 8.3.1, 8.3.2, 8.3.3, 8.3.5	OK
Luminance response curve 8.3.8	OK
Illumination 8.3.4	OK
Reference values for constancy tests 9	OK
Pixel Errors 8.2.6	OK
Pixel Size 8.4-8.5	OK
Overall Image Quality 8.2.2 (a, b, c.1, e, g)	OK
Overall Image Quality 8.2.2 (c.2)	OK
Overall Image Quality 8.2.2 (d, i)	OK
Image Geometry 8.2.7	OK
Grayscale resolution 8.2.3	OK
Color impression and uniformity 8.2.4, 8.2.5	OK
Clinical Reference Images 8.2.8	OK

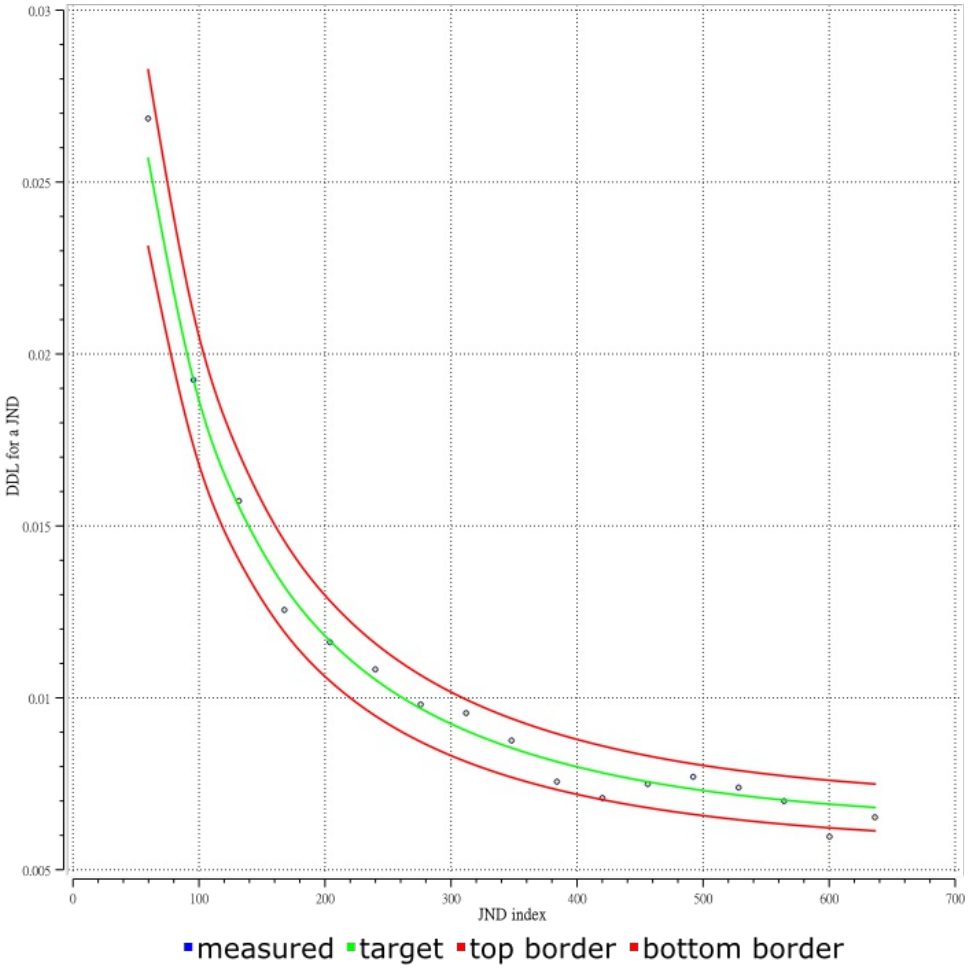
Luminance response curve 8.3.8

Deviation from DICOM GSDF (Δk)

Measured	Limit Value	Result
Δk = 13.68 %	Δk ≤ 15.00 %	Passed

Measured Values

Measurement at DDL 0	0.42 cd/m^2 (0.12 fL)
Measurement at DDL 15	1.22 cd/m^2 (0.36 fL)
Measurement at DDL 30	2.52 cd/m^2 (0.74 fL)
Measurement at DDL 45	4.51 cd/m^2 (1.32 fL)
Measurement at DDL 60	7.15 cd/m^2 (2.09 fL)
Measurement at DDL 75	10.94 cd/m^2 (3.19 fL)
Measurement at DDL 90	16.24 cd/m^2 (4.74 fL)
Measurement at DDL 105	23.20 cd/m^2 (6.77 fL)
Measurement at DDL 120	32.85 cd/m^2 (9.59 fL)
Measurement at DDL 135	45.16 cd/m^2 (13.18 fL)
Measurement at DDL 150	59.40 cd/m^2 (17.34 fL)
Measurement at DDL 165	76.80 cd/m^2 (22.42 fL)
Measurement at DDL 180	100.79 cd/m^2 (29.42 fL)
Measurement at DDL 195	133.29 cd/m^2 (38.90 fL)
Measurement at DDL 210	174.26 cd/m^2 (50.86 fL)
Measurement at DDL 225	224.56 cd/m^2 (65.54 fL)
Measurement at DDL 240	278.65 cd/m^2 (81.33 fL)
Measurement at DDL 255	352.87 cd/m^2 (102.99 fL)



Luminance Uniformity 8.3.6

Results - Uniformity Deviation at DDL - 204 ($H = 200*(L_{high}-L_{low})/(L_{high}+L_{low})$)

Measured	Limit Value	Result
H = 200*(161.92-141.00)/(161.92+141.00) = 13.81%	H ≤ 25.00%	Passed

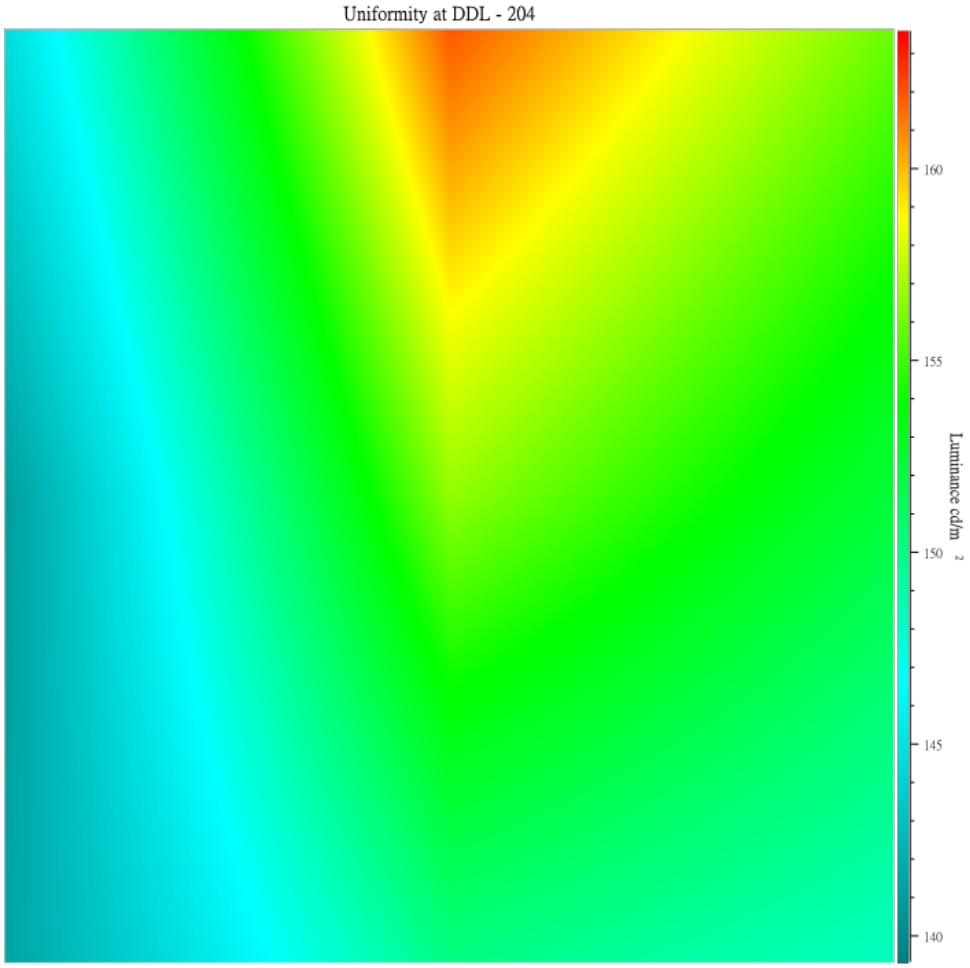
Results - Uniformity Deviation at DDL - 26 ($H = 200*(L_{high}-L_{low})/(L_{high}+L_{low})$)

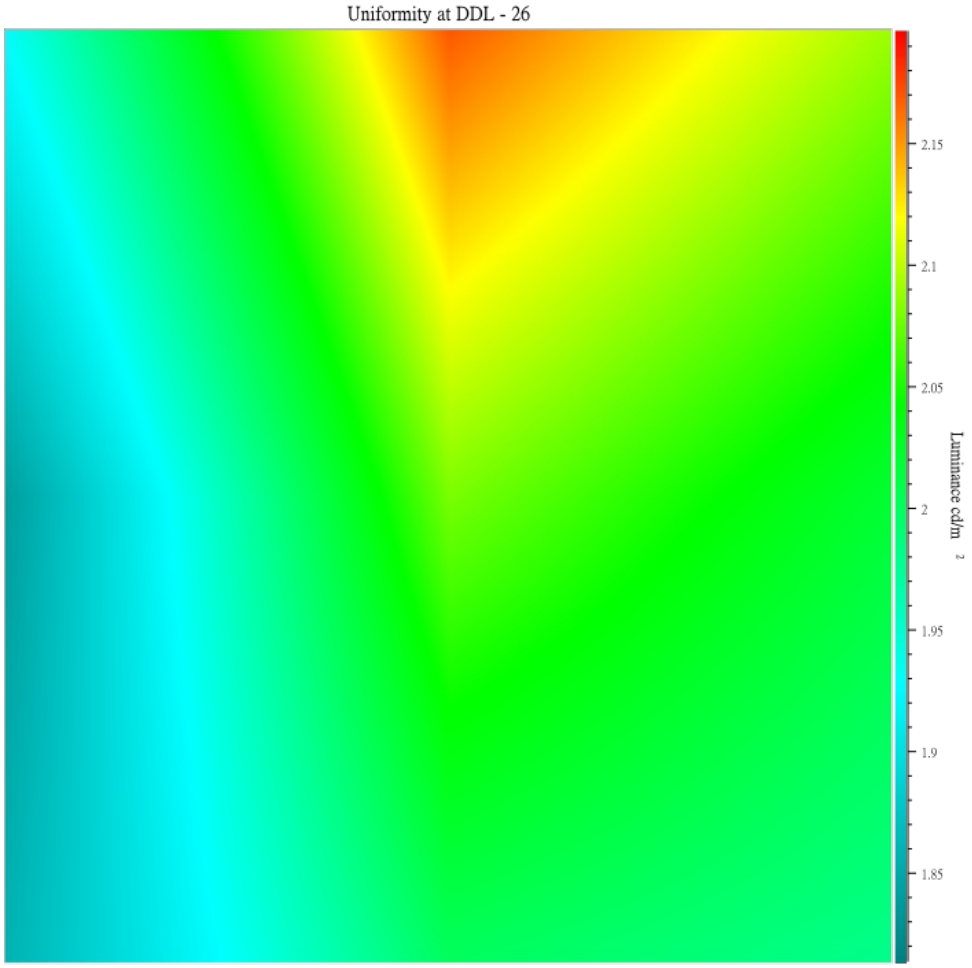
Measured	Limit Value	Result
H = 200*(2.17-1.84)/(2.17+1.84) = 16.76%	H ≤ 25.00%	Passed

Measured Values

Uniformity at DDL - 204 (top-left)	144.63 cd/m^2 (42.21 fL)
Uniformity at DDL - 204 (top-center)	161.92 cd/m^2 (47.26 fL)
Uniformity at DDL - 204 (top-right)	155.86 cd/m^2 (45.49 fL)
Uniformity at DDL - 204 (center-left)	141.00 cd/m^2 (41.15 fL)
Uniformity at DDL - 204 (center)	156.67 cd/m^2 (45.73 fL)
Uniformity at DDL - 204 (center-right)	152.21 cd/m^2 (44.42 fL)
Uniformity at DDL - 204 (bottom-left)	141.42 cd/m^2 (41.28 fL)

Uniformity at DDL - 204 (bottom-center)	150.05 cd/m^2 (43.79 fL)
Uniformity at DDL - 204 (bottom-right)	148.31 cd/m^2 (43.29 fL)
Uniformity at DDL - 26 (top-left)	1.93 cd/m^2 (0.56 fL)
Uniformity at DDL - 26 (top-center)	2.17 cd/m^2 (0.63 fL)
Uniformity at DDL - 26 (top-right)	2.09 cd/m^2 (0.61 fL)
Uniformity at DDL - 26 (center-left)	1.84 cd/m^2 (0.54 fL)
Uniformity at DDL - 26 (center)	2.08 cd/m^2 (0.61 fL)
Uniformity at DDL - 26 (center-right)	2.02 cd/m^2 (0.59 fL)
Uniformity at DDL - 26 (bottom-left)	1.86 cd/m^2 (0.54 fL)
Uniformity at DDL - 26 (bottom-center)	2.00 cd/m^2 (0.58 fL)
Uniformity at DDL - 26 (bottom-right)	1.98 cd/m^2 (0.58 fL)





Display Resolution 8.4-8.5

Display Resolution

Measured	Limit Value	Result
R = 2560x1440	R ≥ 1024x1024	Passed

Illumination 8.3.4

Measured Illumination

Measured	Limit Value	Result
Illumination value = 319.26 lx	Illumination value ≤ 500.00 lx	Passed

Reference values for constancy tests 9

Maximum Luminance (L_{max})

Measured	Limit Value	Result
352.87 cd/m^2 (102.99 fL)	≥ 150.00 cd/m^2 (43.78 fL)	Passed

Minimum Luminance (L_{min})

Measured	Limit Value	Result

0.42 cd/m^2 (0.12 fL)	≥ 0.50 cd/m^2 (0.15 fL)	Optional (Failed)

Measured Illumination

Measured	Limit Value	Result
319.26 lx	≤ 500.00 lx	Passed

Minimum Luminance Over Veiling Luminance (L'_{min}/L_{amb})

Measured	Limit Value	Result
0.42/0.00=420.00	≥ 1.10	Passed

Measured Values

Veiling Luminance (L_{amb})	0.00 cd/m^2 (0.00 fL)

Measuring Device

Sensor Manufacturer	EyeOne
Sensor Model	DisplayPro
Sensor Serial Number	OE-20.B-02.109914.02

Pixel Errors 8.2.6

Record the number of fault pixels described below.

Type A: a subpixel (part of a grayscale pixel or a part of the basic colors of a color pixel) that always remains bright. To be checked on TG18-UN10 test pattern.
Type B: a subpixel that always remains dark. To be checked on TG18-UN80 test pattern.
Type C: an abnormal subpixel that cannot be referred to Type A or Type B (e.g. missing parts of a subpixel, a flashing subpixel). To be checked on TG18-UN10 and TG18-UN80 test patterns.
Type D: a cluster of two or more abnormal subpixels of Types A-C within a block of 5 x 5 pixels.

Pixel faults

Type A

Measured	Limit Value	Result
Type A = 0	Type A ≤ 4 ([1.00 *2560*1440/1048576] = 4)	Passed

Type B

Measured	Limit Value	Result
Type B = 0	Type B ≤ 18 ([5.00 *2560*1440/1048576] = 18)	Passed

Type C

Measured	Limit Value	Result
Type C = 0	Type C ≤ 18 ([5.00 *2560*1440/1048576] = 18)	Passed

Type D

Measured	Limit Value	Result
Type D = 0	Type D ≤ 4 ([1.00 *2560*1440/1048576] = 4)	Passed

Used values

Screen width	2560 px
Screen height	1440 px
Pixel limit	1048576

Pixel Size 8.4-8.5

Pixel Pitch (Size(cm)*10^4/Size(px))

Measured	Limit Value	Result
Pixel Pitch = 233.203 µm	Pixel Pitch ≥ 140 µm	Optional (Passed)

Used values

Horizontal pixel size	59.7cm*10^4/2560px = 233.203
Vertical pixel size	33.6cm*10^4/1440px = 233.333

Overall Image Quality 8.2.2 (a, b, c.1, e, g)	
Are the high-contrast grids with pairs of lines, placed in the center and in the four corners, visible?	yes
Are the 5% and 95% fields visible?	yes
Are all low-contrast letters ("QUALITY CONTROL") visible in the white and gray areas?	yes
Are lines of the grid visible? Are borders of the grid visible and centered?	yes
Are the vertical gray scale ramps displayed smoothly, evenly and continuously?	yes

Overall Image Quality 8.2.2 (c.2)	
Are low-contrast letters ("QUALITY CON") visible in black area?	yes

Overall Image Quality 8.2.2 (d, i)	
Are the four corners with low contrast within the luminance-surface elements visible?	yes
Are the two pixel line pair grids with low contrast in the center and in the 4 corners of the test pattern visible?	yes

Image Geometry 8.2.7	
Is the entire image visible?	yes
Is the image not displaced and not cut?	yes
Do the fields of the grid appear squarish?	yes

Grayscale resolution 8.2.3	
Is at least one horizontal contour line in the vertical bars on or between the long markers visible?	yes

Color impression and uniformity 8.2.4, 8.2.5	
Is the test pattern free of color non-uniformities?	yes
Is the test pattern free of noticeable luminance non-uniformities from the center to the edges?	yes
Is the image uniform across the entire display (between several displays)? Note: The gradual non-uniformity is not a problem until the deviation is not very pronounced. Small-scale irregularities with dimensions in the size order of 1 cm are of greater importance and should not be visible when viewing a uniform test pattern. Irregularities with even smaller dimensions are classified as noise or pixel errors.	yes

Clinical Reference Images 8.2.8	
Does the quality of the image reproduction satisfy the requirements? Verify if the quality of the reference image meets the requirements. If this display is used for diagnostic, all details, necessary for diagnostic viewing, have to be visible.	yes

Image description:

Name of doctor: _____ Signature: _____

Scheduler table

Test name	Frequency	Next Date
DIN 6868-157 Day (visual)	Daily	2026/5/21
DIN 6868-157 Semiannual (visual)	Semiannually	2026/11/20
DIN 6868-157 Semiannual (measurement)	Semiannually	2026/11/20

Tester's Signature: _____