SHARP

PN-H701

LCD MONITOR

Additional information

(Compatible Graphics Cards)

Overview

This information describes how to connect PN-H701 with various computer graphics cards.

(This information is as of January 2015).

Digital terminals of PN-H701

・This product is equipped with HDMI® terminals. DisplayPort™ terminals are not included.

・For a 3840 × 2160 (60 Hz) video signal

- HDMI input terminals 1,2 & 3 are compatible with RGB / YCbCr 4:4:4, 4:2:2, and 4:2:0 formats.

- HDMI input terminal 4 is compatible with RGB / YCbCr 4:2:0 format.

Connecting with Graphics Cards

・Recommended Graphics cards that support 4K resolution are as follows. Details are listed below.

Also, refer to the manual of the equipment to be connected.

【4K (3860 x 2160＠60Hz) input】

- <u>HDMI2.0 output graphics cards</u> : NVIDIA - GTX980/970 (HDMI2.0 support)

【4K (3860 x 2160＠30Hz) input】

- <u>HDMI 1.4a output graphics cards</u> : NVIDIA － GTX780/750/650Ti

: Intel － Haswell HD4400

: Mac Book Pro2013 and Mac Pro2013

- <u>DVI and DisplayPort output graphics cards</u> : NVIDIA －Quadro K5000 / K4200 / K2200 / K600 *

＊ DVI to HDMI adapter or DisplayPort to HDMI adapter (Suggested adapter or similar : DisplayPort™ 1.2 to HDMI®

4K Active Type 2 Adaptor) allows connection to graphics cards supporting 4k 30p.

-If black looks lighter / not true black, Set（Contrast 39、Black level : -14） in Main menu.

-If gradient banding occurs, Set（Contrast 26、Black level :＋16） in Main menu.

Table of tested graphics cards

[HDMI output graphics cards]

Vender	Video Card / PC	Driver	Output	4K (3840x2160) @60Hz		4K (3840x2160) @30Hz	FHD (1920x1080) @60Hz	Note
				HDMI 1~3 input	HDMI 4 input	HDMI 1~4 input	HDMI 1~4 input	
NVIDIA	GTX980 GTX970	347.09	HDMI	OK	NG *1	OK	OK	*1 Available. However, Decreases gradation (not adjustable)
	GTX780	347.09	HDMI	NG	NG *1	OK	OK	
	GTX750		HDMI					
	GTX650Ti		HDMI					
Intel	Haswell HD4400	10.18. 10.3960	HDMI	NA (HDMI1.4a)		OK	OK	
Mac	MacBook Pro 2013/ Mac Pro		HDMI			OK	OK	

[DVI and DisplayPort output graphics cards]

Vender	Video Card / PC	Driver	Output	4K (3840x2160) @60Hz	4K (3840x2160) @30Hz	FHD (1920x1080) @60Hz	Note
				HDMI 1~4 input	HDMI 1~4 input	HDMI 1~4 input	
NVIDIA	Quadro K5000	347.09	DVI-HDMI or DP - HDMI adapter*2	NA	OK*3	OK*4	*2 DVI-HDMI or DisplayPort-HDMI Active type2 adapter needed. *3 Driver setting : Full *4Driver setting: Limited
	Quadro K4200						
	Quadro K2200						
	Quadro K600						

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PN-H701Vi

Ver1.1