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1. General Description

1.1 Introduction

The S2486 is design for Full HD TFT flat panel interface board, the S2486 has below features:

- DVI X 1
- Display port X 1
- VGA X 1
- Audio 2W X 2
- +5V Output
- I2C I/F

1.2 Electrical Characteristics

Item	Symbol	Min	Max	Unit
Power Supply	Vs	11.5	12.5	V
Panel Power	Vp	4.8	12	V
Brightness	BL-ADJ	0.1	3.6	V
Panel On/Off	ON_OFF	0.5	5	V

1.3 Power consumption

Resolution: 1920 X 1080 60Hz

VIN: DC 12V

Item	Min	Max	Unit
A/D Board only	5	7.5	W
Power saving	0.7	1	W

2.2 PIN Definition

LVDS OUT (J9) 2.0mm

PIN	FUNCTION	PIN	FUNCTION
1	VCC	2	VCC
3	TXE0-	4	TXE0+
5	TXE1-	6	TXE1+
7	TXE2-	8	TXE2+
9	GND	10	GND
11	TXEC-	12	TXEC+
13	TXE3-	14	TXE3+
15	GND	16	GND
17	TXO0-	18	TXO0+
19	TXO1-	20	TXO1+
21	TXO2-	22	TXO2+
23	GND	24	GND
25	TXOC-	26	TXOC+
27	TXO3-	28	TXO3+
29	GND	30	GND
31	Option1	32	Option2

Back light (J3)

WAFER 8pin 2.0mm

PIN	Function	PIN	Function
1	+12V	2	GND
3	Brightness	4	GND
5	ON/OFF		

OSD KEY (J10)

WAFER 10pin 2.0mm

PIN	FUNCTION	PIN	FUNCTION
1	Green-LED	2	GND
3	RED-LED	4	Power-KEY
5	Menu-KEY	6	Auto-KEY
7	Right-KEY	8	Left-KEY
9	Up-KEY	10	Down-KEY

IR I/F (J11)

WAFER 7pin 2.0mm

PIN	FUNCTION
1	3.3V
2	IR_IN
3	GND

Speaker (CN2)

WAFER 4pin 2.0mm

PIN	Function	PIN	Function
1	SPK Lout	2	GND
3	SPK Rout	4	GND

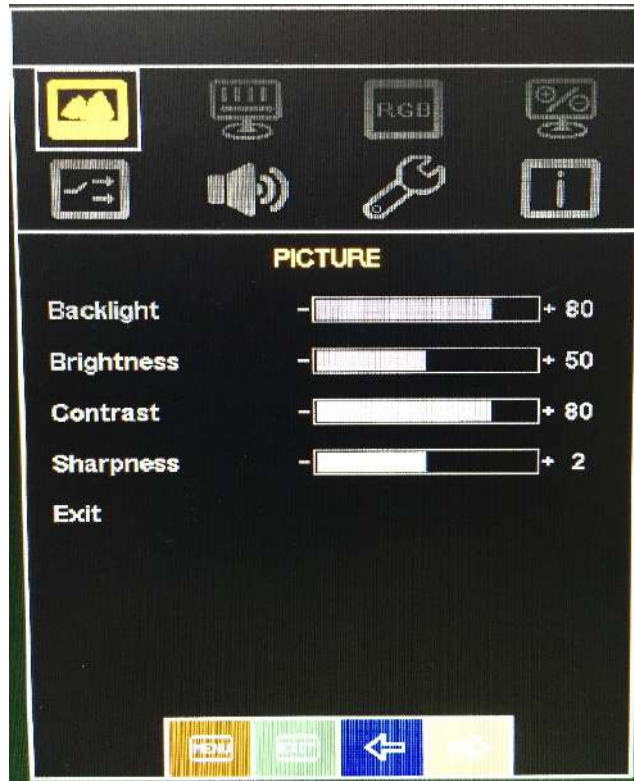
3. Applicable Timing

Resolution	Refresh Rate	Horizontal Frequency	Pixel Frequency	Standard Type	Remarks
640 x 480	60 Hz	31.50 KHz	25.175 MHz	Industrial Standard	
800 x 600	75 Hz	37.50 KHz	31.500 MHz	VESA Standard	
	60 Hz	37.9 KHz	40.000 MHz	VESA Guideline	
	72 Hz	48.10 KHz	50.000 MHz	VESA Standard	
1024 x 768	75 Hz	46.90 KHz	49.500 MHz	VESA Standard	
	60 Hz	48.40 KHz	65.000 MHz	VESA Guideline	
	70 Hz	56.5 KHz	75.000 MHz	VESA Standard	
1280 x 1024	75 Hz	60.00 KHz	78.750 MHz	VESA Standard	
	60 Hz	64.00 KHz	108.000 MHz		
1440 x 900					
	60Hz	59.9KHz	106.500MHz		
1920 X 1080	75Hz	75.0KHz	136.750MHz		
	60Hz	59.9KHz	106.500MHz		

4. LCD OSD Setting

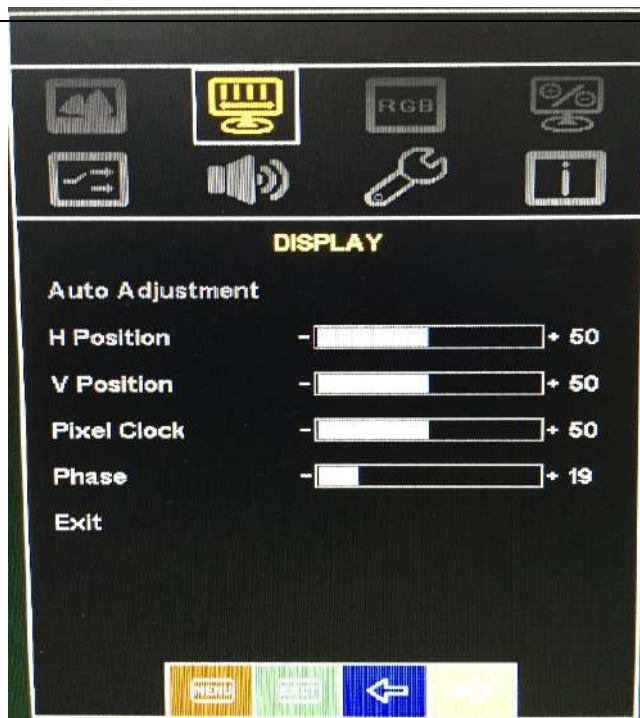
4.1

PICTURE



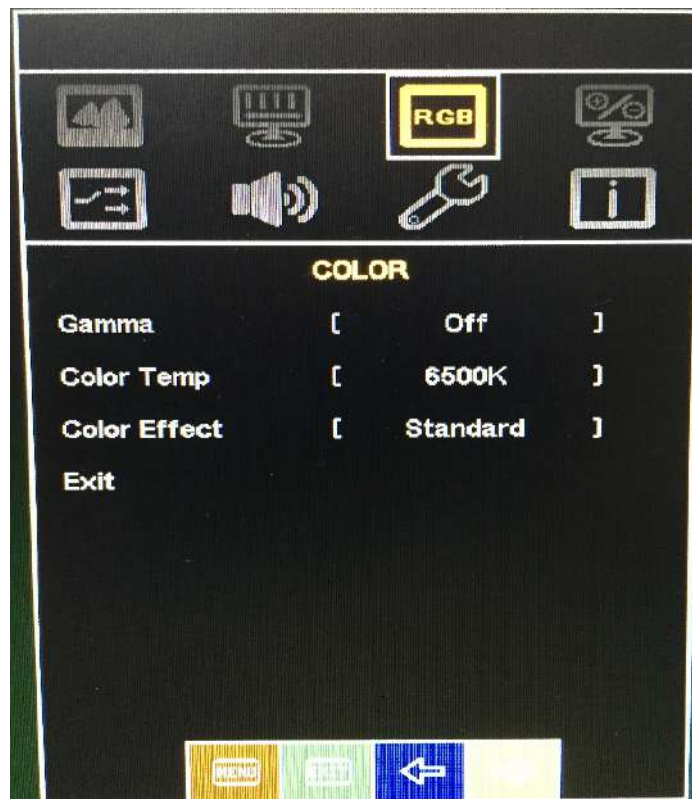
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DISPLAY



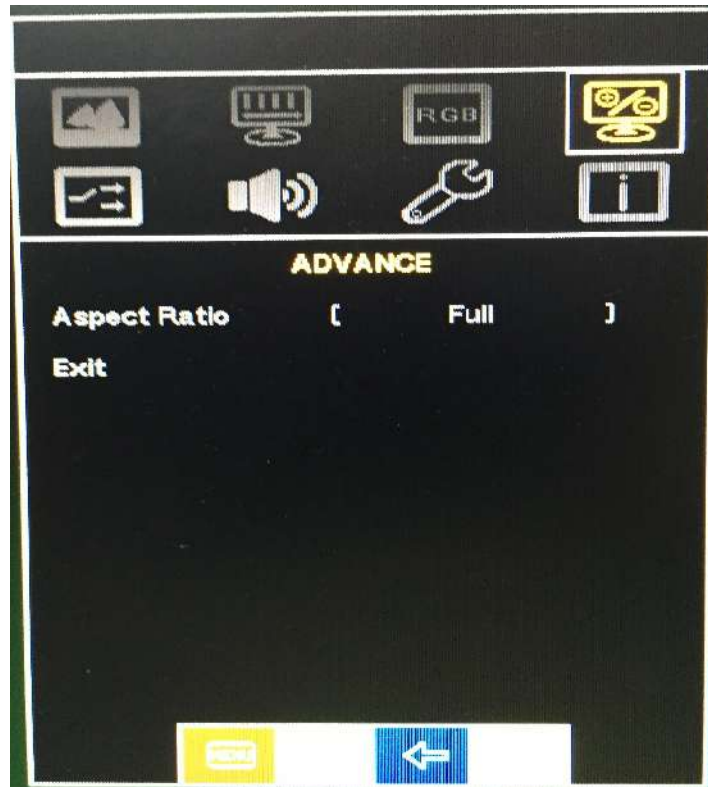
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COLOR



4.4

ADVANCE



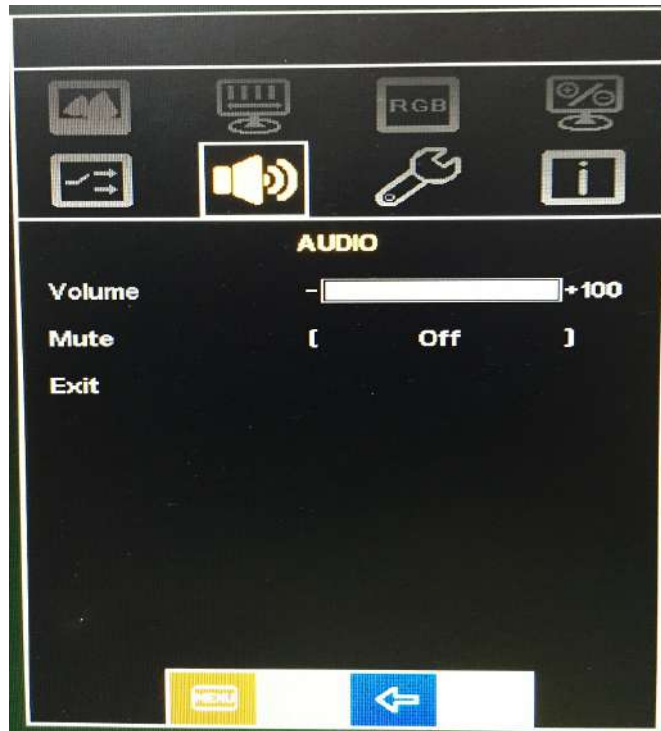
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INPUT



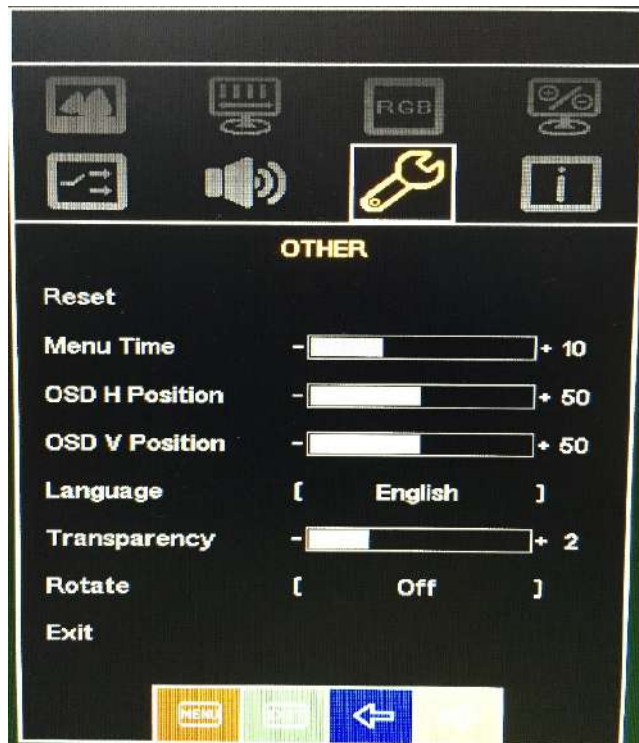
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AUDIO



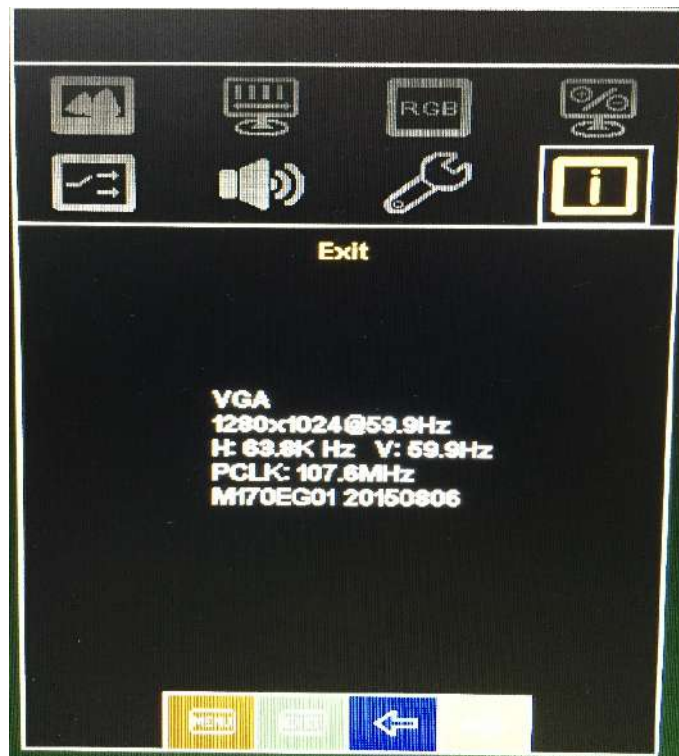
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OTHER



4.8

EXIT



5. Burn in mode

When no signal input, press "Menu" key & "POWER" key at same time to run the "Burn in" mode, and will return to the normal mode when any source signal input.