

1) General Description

1-1) Overview

S380P1 is a 38" Super wide TFT LCD monitor with high brightness LED Backlight. The monitor supports 1920x538 (aspect ratio = 16:4.5) format and can display 16.7M colors (8-bit/color) .The monitor supports two active video inputs with the following connector support – VGA for analog and DVI-D for Digital.

1-2) Display Features

Items	Specification	Unit	Note
Screen Size	38"	inch	diagonal
Dimension Outline	980.9(W)x303.2(H)x43.6(D)	mm	
Active Area	930.24 (W) x 260.661 (H)	mm	
Pixel Number	1920xR.G.Bx538	pixel	
Pixel Pitch	0.4845 x 0.4845	mm	
Pixel Arrangement	R.G.B Vertical Stripe	-	
Display Colors	8 bit – 16.7M	color	
Brightness	800 (Typical)	cd/m ²	Center (700 Min.)
Contrast Ratio	5000 : 1	-	
White Variation(δW)	1.3		Max.
View angle(CR>20)	176	degree	
Display Mode	Transmissive mode	-	Normally Black
Panel Response Time	6.5	ms	typical (Gray to gray average)
Color Chromaticity	Wx:0.295±0.05 Wy:0.310±0.05		
Weight	6.3	kg	
Surface Treatment	Anti-Glare coating (Haze 11%), Hard coating (3H)	-	
Backlight Technology	Single Edge LED		
LED Life Time	50000	hrs	Min.

1-3) Electrical Features

Item		Specification	Note
VGA	Input System	RGB Separate with Separate sync	-
	Signal Level	Analog RGB (0.7V _{P-P})	
	Separate Sync.	TTL Level	
	Horizontal Sync.	Positive / Negative	-
	Vertical Sync.	Positive / Negative	-
	Input Connector	D-Sub 15 pins	-
	Input Impedance	Analog RGB =75Ω	-
	Compliant Timing	See preset timing	-
	Bandwidth	Up to 162 MHz	-
DVI-D	Compliance	DVI-D / HDMI 1.2 with HDCP	-
	Input Signal	TMDS	-
	Input Impedance	100Ω (pair)	-
	Compliant Timing	See preset timing	-
	Input Connector	DVI-D	-
	Bandwidth	Up to 162 MHz	-
Display	Auto Adjust	Frequency, Phase, H Position & V Position	-
	Screen Scaling	Zoom in / Zoom out / Top / Bottom Mode	(1),(2)
	Color Temperature	User Adj.	-
	OSD Language	English / 繁體中文 / 简体中文	-
Power source	Power Input	AC 90~264 V	-
	Power Output	DC 24V / 5A	-
Power Consumption	ON	85 Watt (Typical)	<90Watt
	OFF	3 Watt (Typical)	<5Watt
DDC	Plug & Play	DDC 2B Compliance	-
Operation Interface	Keypad	7 keys	-
		Power / Source / Menu / Up / Down / Left / Right	
Status Indictors	LEDx1	On(Blue) / Off (Orange)	-

Note(1) Zoom out mode support up to 110MHz Signal Input, over the limit the image maybe abnormal display.

Note(2) Zoom in mode only support DVI(HDMI Mode).

2) Mechanical Characteristics

