

Chapter General Descriptions

Introduction

A201P1 is a 20.1" TFT Liquid Crystal Display monitor with 4pcs CCFL in Backlight unit. This monitor supports 1400 x 1050 SXGA+ mode and can display 16.2M colors.

Features

- 20.1" SXGA+ TFT LCD Panel
- TN Mode Liquid Crystal
- D-SUB/ DVI-D Input
- Audio Function(Optional)
- Support to 75Hz Refresh Rate
- Support VESA-DCC 2B plug & play function
- Support VESA-DPMS & DVI DMPM Power Management Function
- Wide Viewing Angle
- High Brightness & Contrast Ratio
- High Brightness & Contrast Angular Dependent
- Fast LC Response Time
- Light Weight

General Specifications

	Item	Specification	Unit
LCD panel	Active Area	408.24 (H) x 306.18 (V) (20.1" diagonal)	mm
	Driver Element	a-si TFT Active Matrix	-
	Pixel Number	1400 x R.G.B. x 1050	pixel
	Pixel Pitch	0.2916 (H) x 0.2916 (V)	mm
	Pixel Arrangement	RGB Vertical Stripe	-
	Display Color	16.2M	color
	Transmissive Mode	Normally White	-
	Viewing Angle (H / V)	Typical 150 / 130	degree
	Brightness	Typical 300	cd/m ²
	Contrast Ratio	Typical 600	-
	LC Response Time (Tr+ Tf)	8 (Tr: 2 + Tf: 6)	msec
Graphic	Separate Sync.	TTL Level	-
	Horizontal Sync.	Positive / Negative	-
	Vertical Sync.	Positive / Negative	-
	Input Connector	D-Sub mini 15 pins, DVI-D 24 pins	-
Performance	Auto Adjust	Clock, Phase, H Position & V Position	-
	Screen Scaling	VGA/SVGA/XGA/SXGA Full Screen Display	-

	Power Management	VESA DPMS, DVI DMPM, ENERGY STAR® Compliance	-
	Color Adjustment	User, 6500K, 7500K & 9300K	-
	OSD Language	English, French, German, Spanish, Italian, Japanese, Traditional Chinese, Simplified Chinese, Russian, Korean	-
Power source	Power Input	AC100-240 (Worldwide)	V
Power consumption	Operation Mode	55	W
	Power Saving Sleep Mode	< 2W @230VAC 50Hz	W
	Power Saving OFF Mode	< 1W @230VAC 50Hz	W
Tilt angle	Upward / Downward	20 / -5	degree
Physical	Dimension, weight	467 x 421 x 224 (W x H x T) , 5.6	mm, kg
DCC	Plug & Play	DDC 2B Compliance	-
Function	OSD key	6keys	-
	Audio & Speaker	2.5 W x2	-

Chapter Electrical Specifications

Item		Description
Video Signal	Input System	RGB Separate
	Signal Level	Analog RGB (0.7V _{PP}) / Digital (DVI 1.0)
	Input Impedance	75Ω
Synchronization Signal Input System	Signal Level	Separate Sync: TTL
Compliant Timing		See Appendix 1.
Input Connector		15 pins mini D-Sub, DVI-D 24 pins
Video Frequency Bandwidth		140 MHz dot clock
Audio		ø=3.5mm stereo mini jack, 2.5 W/ch
Synchronization Frequency	Horizontal Sync.	30~ 82 kHz
	Vertical Sync.	56 ~ 76 Hz
Power Supply	Input Voltage	AC 100~240V (Worldwide)
	Frequency	50 / 60Hz
	Power Consumption	55 W (max)
	Power Management	2 W (max)
Backlight	Lamp Type	Cold Cathode Fluorescent Lamp
	Lamp Quantity	4 pcs
	Lamp Life Time	50,000 Hrs (min)
Plug & Play		VESA DDC 2B Compliance
Power Management		VESA DPMS, DVI DMPM, ENERGY STAR® Compliance
Power Management Status	Power Consumption	Screen Recovery Time
Stand-by	1 W or less	Within 3 sec
Suspend		
Active-off		

Chapter Regulatory Standards

Safety

Item	Standard
TCO	TCO'03
UL	UL 60950-1
C-UL	CAN/CSA C22.2 No.60950-1
TUV-GS	EN 60950-1:2001+A11, EK1-ITB 2000 :2005
CE/LVD	EN 60950-1:2000+A11, IEC 60950-1 :2001
TUV-Ergonomics	ISO 13406-2 :2001, prEN50279 :1998
CB	IEC 60950-1:2001
EPA	Energy Star Version 4.0 / EPA
Nemko	EN 60950-1:2000-1 including possible listed national conditions/deviations for Norway
Semko	EN 60950-1 :2001
Fimko	EN 60950-1 :2001
Demko	EN 60950-1 :2001
PCT	IEC 60950-2002

EMC

Item	Standard
FCC-B	CFR 47 Part15 Subpart B, ICES-003
CE/EMC	EN55022, EN55024, EN61000-3-2/-3-3, EN61000-4-2/3/4/5/6/8/11

Appendix 2 Block Diagram

