

# Analog Touch Monitor

## 12.1" TFT Color LCD Touch Monitor



**MITSUTECH**  
INTERNATIONAL CORP



### Model Selection

**MT1200AVU/Tx** 5 Pin D-Sub VGA PC graphic  
Audio Stereo Speaker,  
Video Composite and S-video  
Input, USB  
MT1200AVU/Tr for Resistive,  
MT1200AVU/Tc for Capacitive

## Touch Panel Specification

<b>Type</b>	Resistive
<b>Electrical resolution</b>	4096 x 4096
<b>Communication system</b>	Serial RS232
<b>Durability</b>	35 million touches in one location w/o failure
<b>Accuracy</b>	Deviation less than 2.03mm
<b>Touch point density</b>	15,500 touch points/cm
<b>Touch activation force</b>	Less than 113 gram
<b>Surface hardness</b>	3H
<b>Operating Temperature</b>	-15° C to 50° C
<b>Storage Temperature</b>	-40° C to 71° C
<b>Relative Humidity</b>	0-90% RH at 35° C, non-condensing
<b>Ball impact compliance</b>	Meets UL 1950 standard
<b>Fire retardation compliance</b>	Meets UL-746C, 0.75" (19mm) flame test

<b>Type</b>	Capacitive
<b>Electrical resolution</b>	1024 x1024
<b>Response time</b>	15ms
<b>Communication system</b>	Serial RS232
<b>Durability</b>	Over 20 millions times
<b>Accuracy</b>	Less than ±1% error
<b>Optical Clarity</b>	85% light transmission at 500nm
<b>Conversion Speed</b>	Upto 200 touch points per second at 19.2K baud
<b>Initial Touch Down Speed</b>	8-15 milliseconds
<b>Operating Temperature</b>	-15° C to 70° C
<b>Storage Temperature</b>	-62° C to 85° C
<b>Relative Humidity</b>	0-95% RH, non-condensing
<b>Faceplate Surface</b>	Polished or anti-glare etch versions available

## LCD Specifications:

LCD	Screen Size	12.1" (30.7 cm) Diagonal.
	Panel Type	TFT active matrix
	Number of Pixel	800 x 600(SVGA)
	Pixel Pitch	0.3075mm x 0.3075mm
	Display Area (W x H)	9.68" x 7.26" (246.0 x 184.5 mm)
	Surface Treatment	Anti-glare and hard coat 3H ON LCD surface
	Colors	256K
	Brightness	150cd/m <sup>2</sup>
	Contrast	100:1 (Min.)
	Response Time	50ms (Max)
Input Signals	Video Signal	RGB Analog, 0.714 Vp-p, 75 Ω
	Synchronization	VGA-SVGA, NTSC/PAL/SECAM
	Horizontal, Vertical Frequency	25 ~ 53 KHz, 56.0 ~ 85 Hz
Connector	Video Signal	15-pin D-SUB
	NTSC/PAL Video-in	RCA Connector x 2; S-Video connector x 1
	NTSC/PAL Video-out	RCA Connector x 1
	USB	Up stream Port x 1; Down stream x 4
Audio	Line in , out	Stereo (Mini Jack x 1), Stereo (Mini Jack x 1)
	Speaker	Stereo (3Watt x 2)
External Control	Switch	Power Switch, Choice of Input Ports,
	On-Screen Display	Brightness, Contrast, Color Control(R/G/B), Phase, Audio Control, Horizontal Size, Horizontal Position, Vertical Position, Auto Adjustment, Expansion, Recall, Reset, OSD Menu Position, OSD Language (English, Japanese)
Environment	Temperature	Operating: 10° to +35° C Storage: -20° to +60° C
	Humidity	10~90%RH (Non Condensing)
Power Supply		Input AC100-240V 50/60 Hz, Output: DC 12V
Power Consumption		30W(Max.) Stand by: 4W (Max.)
Power Management		VESA DPMS
Physical	Dimensions (W x H x D)	12.4" x 12.7" x 6.0" (317 x 324 x 153mm)
	Weight	13.22 Lbs. (6kg)
Plug & Play		DDC2B (VESA Standard)
Other Features		VESA Holes standard 75 x 75 mm
Accessories		AC Adapter & Cord, RGB Cable, Audio Cable, Video Cable, Operating Manual
Options		Touch Screen, USB Hub, Speakers, NTSC/PAL

- Features and Specifications are subject to change without prior notice.