ITM-5112

12" SVGA Industrial LED Monitor with Fully Flat Resistive Touchscreen

NEW

Features

- 12.1" Mitsubishi SVGA LED backlight panel provides 20 ~ 30% power savings
- -20° C ~ +60° C wide range operating temperature
- Easy-clean 5-wire resistive touch plane
- VGA & DVI interface
- Peripheral connectors in frame rail design
- Simple, elegant design with IP54 front panel protection
- Supports panel, wall, desktop, and swing-arm VESA mounting
- Combo RS-232 & USB interface for touchscreen function
- Optional ARK-1500-series Box PC in rear AD box for all-in-one, total solution

Introduction

ITM-5112 is a 12" LED TFT-LCD touchscreen monitor specifically designed for industrial applications. It's a stable, rugged display with VGA & DVI interface. The simple, yet elegant flat plane design provides for easy cleaning, and the Box PC-plus-monitor option offers added flexibility.
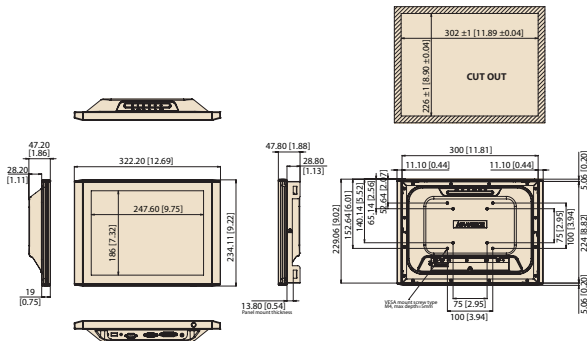
Specifications

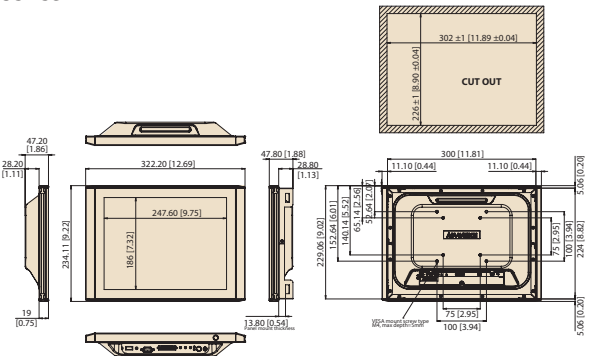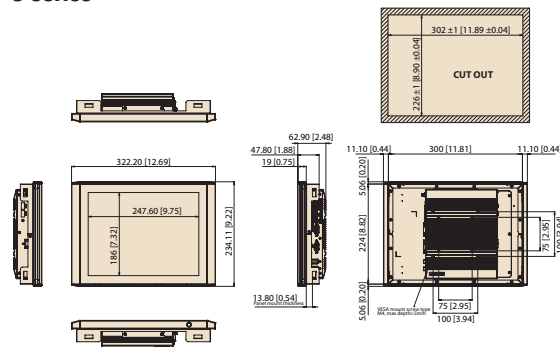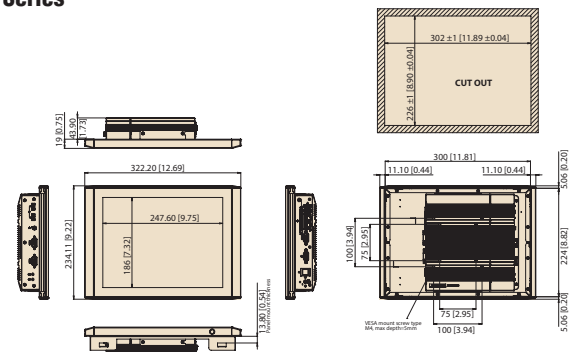|		
Display	Size	Mitsubishi industrial grade 12.1" panel with LED backlight
	Resolution	800 x 600 (SVGA)
	Viewing Angle	-80°~80° (H), -60°~80° (V)
	Brightness	450 (cd/m²)
	Color Support	16.7M / 262K colors
	Contrast Ratio	800
	Response Time	12 [msec]
	Lamp Life (hrs)	60,000 hrs
Touchscreen	T/S Type	5-Wire Resistive Touch Window
	Surface Hardness	3H
	Durability	Silicone rubber finger touching 2 times per second, 250 g per touch. Durability: 36 million touches
Environment	Operating Temperature	-20 ~ 60° C (-4 ~ 140° F)
	Storage Temperature	-30 ~ 70° C (-22 ~ 158° F)
	Humidity	5 ~ 95% @ 40° C, non-condensing
	Shock	10G peak acceleration (11 ms duration)
	Front panel	IP54
System	IO	M series — VGA x 1; DVI-D x 1; 12 V_{DC} Jack x 1; USB x1; RS-232 x 1 (USB & RS-232 are reserved for the connection to enable touch usage only)
		L series — I-Panel link x 1; USB x 1; RS-232 x 1 (USB & RS-232 are reserved for the connection to PC usage)
		C series — USB x 4, GbE x 2, RS-232 x 3, VGA x 1, CF card slot x 1, 12-24 V_{DC} Jack x 1, Audio line-out x 1
		P series — USB x 4, GbE x 2, RS-232 x 3, VGA x 1, CF card slot x 1, 12 V_{DC} Jack x 1, Audio line-out x 1 (plugged with ARK-1503)
	OSD	M series — Keys: Menu, Up, Down, Enter, Monitor Power on/off; Menu Functions: Brightness, Volume, Contrast, Clock Phase, Horizontal Position, Vertical Position, Sharpness
		L series — Keys: Brightness Up, Brightness Down, Monitor Power on/off, PC Power on/off
	Power	60 W power adapter, with AC 100 ~ 240 V input and DC +12 V @ 5 A output
	EMC Compliance	CE/FCC/CCC/BSMI
	Safety	CB/UL/CCC/BSMI

Dimensions

Unit: mm [inch]

M Series

302 ±1 [11.89 ±0.04]
226 ±1 [8.90 ±0.04]
CUT OUT

47.20 [1.86]
28.20 [1.11]
322.20 [12.69]
247.60 [9.75]
186 [7.32]
234.11 [9.22]
19 [0.75]
47.80 [1.88]
28.80 [1.13]
13.80 [0.54] Panel mount thickness
300 [11.81]
11.10 [0.44]
11.10 [0.44]
5.06 [0.20]
229.06 [9.02]
152.64 [6.01]
140.14 [5.52]
65.14 [2.56]
52.64 [2.07]
75 [2.95]
100 [3.94]
224 [8.82]
75 [2.95]
100 [3.94]
5.06 [0.20]
VESA mount screw type M4, max depth<5mm

L Series

302 ±1 [11.89 ±0.04]
226 ±1 [8.90 ±0.04]
CUT OUT

47.20 [1.86]
28.20 [1.11]
322.20 [12.69]
247.60 [9.75]
186 [7.32]
234.11 [9.22]
19 [0.75]
47.80 [1.88]
28.80 [1.13]
13.80 [0.54]
300 [11.81]
11.10 [0.44]
11.10 [0.44]
5.06 [0.20]
229.06 [9.02]
152.64 [6.01]
140.14 [5.52]
65.14 [2.56]
52.64 [2.07]
75 [2.95]
100 [3.94]
224 [8.82]
75 [2.95]
100 [3.94]
5.06 [0.20]
VESA mount screw type M4, max depth<5mm

C Series

302 ±1 [11.89 ±0.04]
226 ±1 [8.90 ±0.04]
CUT OUT

322.20 [12.69]
247.60 [9.75]
186 [7.32]
234.11 [9.22]
62.90 [2.48]
47.80 [1.88]
19 [0.75]
13.80 [0.54] Panel mount thickness
300 [11.81]
11.10 [0.44]
11.10 [0.44]
5.06 [0.20]
224 [8.82]
75 [2.95]
100 [3.94]
5.06 [0.20]
75 [2.95]
100 [3.94]
VESA mount screw type M4, max depth<5mm

P Series

302 ±1 [11.89 ±0.04]
226 ±1 [8.90 ±0.04]
CUT OUT

19 [0.75]
47 [1.73]
322.20 [12.69]
247.60 [9.75]
186 [7.32]
234.11 [9.22]
13.80 [0.54] Panel mount thickness
300 [11.81]
11.10 [0.44]
11.10 [0.44]
5.06 [0.20]
100 [3.94]
75 [2.95]
224 [8.82]
75 [2.95]
100 [3.94]
5.06 [0.20]
VESA mount screw type M4, max depth<5mm

Packing List

Part Number	Description
1700091800	*1 x D-SUB 9P(M)/D-SUB 9P(F) 1.8 meter
1962055040	8 x Panel-Mount clamper
1930002205	8 x Screw of panel-mount clamper M4_30L
1700151801	*1 x VGA cable 15P(M) 1.8 meter
1700019110	*1 x I-Panel Link Cable 3.0 meter
1960051804N001	1 x Cable clamp
-	1 x CD-ROM for ITM Series

*i-Panel Link cable is only included in ITM-5112R L series.
*VGA/D-SUB cables are only included in ITM-5112R M series.
Note: Package contents are subject to change without prior notice

Optional Items

Part Number	Description
1702002600	Power Cord 3P (USA)
1700000596	Power Cord 3P (China)
1700018705	Power Cord 3P (EU)
96STANDKIT-ITM	Stand Kit
1757003062	ADAPTER AC100-240V 60W +12V/5A DPS-60PB A
1700000243	DVI cable 2.0 meter
1700002215	USB-A(M)/USB-A(M) 1.8 meter

Ordering Information

Model Name	Description
ITM-5112R-MA1E	12" SVGA LED Fully Flat Touch Monitor
ITM-5112R-LA1E	12" SVGA LED Touch Monitor connected with 36-pin LVDS cable (3M) to ARK-1503
ITM-5112R-PA1E	12" SVGA LED Touch Monitor with 164-pin Golden Finger Docking Connector to ARK-1503
ITM-5112R-CA1E	12" Industrial Touch Computer with Intel® Atom™ D525 Dual Core 1.8 GHz Processor