

## Mitsubishi Electric to Launch 12.1-inch WXGA 15.0-inch SXGA+ TFT-LCD Modules

11/11/2014

Mitsubishi Electric Corporation (TOKYO: 6503) announced today the launch of its new 12.1-inch WXGA, 15.0-inch SXGA+ TFT-LCD modules for industrial applications such as medical equipment, measuring instruments and ship/train instruments. The modules feature an unprecedented combination of super-wide 170-degree horizontal/vertical view angles, high resolution, 500/1,000 cd/m<sup>2</sup> high brightness, 1000:1 high contrast ratio, -30 to 80 degree Celsius operating temperature range, and 100,000 standard hours of LED backlight life. Sales will begin December 1 through Mitsubishi Electric global offices.

The 15.0-inch SXGA+ module will be exhibited during HOSPEX Japan 2014 at Tokyo Big Sight (Tokyo International Exhibition Center) from November 12–14.



AA150PD13



AA121TH11

The new TFT-LCD modules meet increasing market demands for high contrast, high resolution, wide view angles and resistance to extreme temperatures for versatile application and installation. The launch will increase Mitsubishi Electric's lineup of modules offering super-wide view angles to 20.

### Product Features

#### **1) Super-wide view angle, high resolution, high brightness & contrast ratio & contrast ratio**

- 170-degree super-wide horizontal/vertical view angles ensure excellent visibility, even with off-center installations.
- High resolution—WXGA: 1,280 (H) × 800 (V) & SXGA+: 1,400 (H) × 1,050 (V)—capably handles dense on-screen information. - High brightness of 500/1,000 cd/m<sup>2</sup>\* and high contrast ratio of 1000:1 for easy visibility in bright environments

\* AA121TH01 & AA150PD03: 500cd/m<sup>2</sup>, AA121TH11 & AA150PD13: 1,000cd/m<sup>2</sup>

#### **2) Durability for extreme outdoor environments**

- 3Market-leading range of operating temperatures from -30 to 80 degree Celsius

#### **3) Long-life, inverter-less backlight through use of white light-emitting diodes**

- CLED backlight has a typical operating life of 100,000 hours at an ambient temperature of 25 degrees Celsius. - No high-voltage inverter is required.
- Yüksek voltajlı invertöre gerek yoktur.

\*\* AA121TH01 and AA150PD03 models

### Sales Schedule

Product	Model	Shipment	Production
12.1-inch WXGA TFT-LCD Module	AA121TH01	December 1, 2014	2,000 units each per month
	AA121TH11		
15.0-inch SXGA+ TFT-LCD Module	AA150PD03	January 10, 2015	
	AA150PD13		

### Specifications

	AA121TH01	AA121TH11	AA150PD03	AA150PD13
Display Size (resolution)	12.1-inch WXGA		15.0-inch SXGA+	
Display Area (mm)	261.1 (H) × 163.2 (V)		304.5 (H) × 228.4 (V)	
Dots	1280 (H) × 800 (V)		1400 (H) × 1050 (V)	
Pixel Pitch (mm)	0.204 (H) × 0.204 (V)		0.2175 (H) × 0.2175 (V)	
Contrast Ratio	1000:1			
Luminance (cd/m <sup>2</sup> )	500	1,000	500	1,000
View Angles (CR>10)(°)	-85 – 85 (H) -85 – 85 (V)			
Colors	262k (6bit/color); 16.77M (8bit/color)			
Color Gamut (NTSC; %)	50			
Backlight Unit	LED			
Electrical Interface	LVDS 6/8bit			
Dimensions (mm)	283.0 (W) × 185.1 (H) × 9.7 (D)		326.0 (W) × 255.0 (H) × 10.5 (D)	
Operating Temperatures (°C)	-30 – 80			
Storage Temperatures (°C)	-30 – 80			

### **Environmental Awareness**

Mercury-free and fully compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).

### **About Mitsubishi Electric Corporation**

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,054.3 billion yen (US\$ 39.3 billion\*) in the fiscal year ended March 31, 2014. For more information visit <http://www.MitsubishiElectric.com>

\*At an exchange rate of 103 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2014