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FOR IMMEDIATE RELEASE

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Mitsubishi Electric to Expand Lineup of Transflective Series TFT-LCD Modules

Market-leading image quality and wide operating temperature range for outdoor and mobile uses

TOKYO, April 20, 2017 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today the coming launch of new Transflective Series 8.4-inch VGA and 10.4-inch XGA TFT-LCD modules for outdoor or mobile applications, including agricultural vehicles, marine GPS, mobile industrial PCs and more. Both feature top-quality images and operating temperature ranges of -30 to 80 degrees Celsius. Sample sales will begin May 31 through Mitsubishi Electric offices worldwide.

The modules will be exhibited during 20th Embedded Systems Expo (ESEC Spring) at the Tokyo Big Sight exhibition complex from May 10 to 12.



AA084VM11



AA104XL12

Mitsubishi Electric Color Transflective Series TFT-LCD modules

Mitsubishi Electric expects its new transflective modules to meet increasing market demands for TFT-LCDs offering superior visibility outdoors, extended battery life and low heat radiation for versatile applications.

Product Features

1) *Leading image quality and low power consumption for outdoor use*

- Ambient light reflection produces extra-clear images in bright, sunlit environments and backlighting ensures viability in dark environments
- Reduced power consumption suitable for battery-powered mobile industrial devices

2) *Durability for extreme outdoor environments*

- Market-leading operating temperature ranges of -30 to 80 degrees Celsius suitable for industrial devices used in extreme outdoor environments

3) *Compatible designs support upgrading from existing transmissive models*

- Compatible mounting holes, outer dimensions, interface pin assignments and connectors enable easy upgrading from existing transmissive models

Sale Schedule

Product	Model	Display Size	Resolution	Interface	Shipment
Transflective Series TFT-LCD Module	AA084VM11	8.4-inch	VGA	LVDS	May 31, 2017
	AA104XL12	10.4-inch	XGA		

Specifications

	AA084VM11	AA104XL12
Display size (resolution)	8.4-inch VGA	10.4-inch XGA
Display area (mm)	170.88 (H) × 128.16 (V)	210.43 (H) × 157.82 (V)
Dots	640 (H) × 480 (V)	1024 (H) × 768 (V)
Pixel pitch (mm)	0.267 (H) × 0.267 (V)	0.2055 (H) × 0.2055 (V)
Contrast ratio	130 : 1	120 : 1
Luminance (cd/m ²)	750	350
View angles (°)(U/D), (L/R)	35/50, 25/50	50/35, 50/25
Colors	262k (6bit/color) / 16.77M (8bit/color)	
Color gamut (NTSC; %)	40	50
Backlight unit	LED	
Backlight life time (Typ.)(hr)	100,000	
Electrical interface	LVDS 6/8bit	
Dimensions (mm)	199.5 (W) × 149.0 (H) × 9.7 (D)	230.0 (W) × 180.2 (H) × 9.2 (D)
Operating temperatures (°C)	-30 to +80	
Storage temperatures (°C)	-30 to +80	

Transflective Series Lineup (new models in bold)

Display	Resolution	Interface	Model
5.7-inch	VGA	CMOS	AA057VG12
8.4-inch	VGA	LVDS	AA084VM11
10.4-inch	XGA	LVDS	AA104XL12

Environmental Awareness

These models are mercury-free and fully compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive 2011/65/EU.

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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 4,394.3 billion yen (US\$ 38.8 billion*) in the fiscal year ended March 31, 2016. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 113 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2016