

**MITSUBISHI ELECTRIC CORPORATION**  
**PUBLIC RELATIONS DIVISION**  
7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-8310 Japan

**FOR IMMEDIATE RELEASE**

**No. 3004**

*Customer Inquiries*

*Media Inquiries*

LCD Marketing Dept.  
Mitsubishi Electric Corporation

Public Relations Division  
Mitsubishi Electric Corporation  
[prd.gnews@nk.MitsubishiElectric.co.jp](mailto:prd.gnews@nk.MitsubishiElectric.co.jp)

[www.MitsubishiElectric.com/semiconductors/](http://www.MitsubishiElectric.com/semiconductors/)

[www.MitsubishiElectric.com/news](http://www.MitsubishiElectric.com/news)

## **Mitsubishi Electric to Launch 3.5-inch QHD Color TFT-LCD Modules**

*Suitable for studio video monitors and professional digital camcorders*

**TOKYO, February 24, 2016** – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today the launch of a 3.5-inch color TFT-LCD module in quarter high definition (QHD/960×540) format, which provides half the resolution of full high definition (full HD/1,920×1,080) screens both horizontally and vertically. The QHD format allows smoother, undistorted conversion from full HD, making it well suited for a variety of applications in digital broadcasting. Sample sales will begin immediately through Mitsubishi Electric offices worldwide.



Mitsubishi Electric Color TFT-LCD module  
AA035AE01

With the recent spread of digital television broadcasting, networks are introducing equipment compatible with full HD resolution. There is considerable demand for studio video monitors, professional digital camcorders, and other equipment incorporating compact TFT-LCD modules capable of displaying high-resolution videos smoothly and clearly. Mitsubishi Electric's AA035AE01 is slim and lightweight, featuring super-wide viewing angles and high contrast.

## **Product Features**

### **1) 3.5-inch QHD screen enables smooth conversion from full HD resolution**

- Vertical and horizontal resolution is half of full HD (16:9 aspect ratio)
- Smooth conversion prevents the degradation of full HD resolution
- High resolution 313ppi (0.081(H)×0.081(V))
- Suitable for studio video monitors, professional digital camcorders and other digital broadcasting equipment

### **2) Super-wide viewing angle, high contrast ratio, and 72-percent color gamut on NTSC standards**

- 170-degree super-wide horizontal/vertical viewing angles and 800:1 high contrast ratio ensure excellent visibility, even with off-center installations

### **3) Slim and lightweight**

- Just 4.0mm and 43g

## **Sample Sale Schedule**

Product	Model	Resolution	Shipment
3.5-inch QHD TFT-LCD Module	AA035AE01	960 (H) × 540 (V) (16:9)	February 24

## **OHD Format Lineup**

Display	Model
<b>3.5-inch</b>	<b>AA035AE01</b>
9.0-inch	AA090AA01

## **Specifications**

Model Number	AA035AE01
Display Size/Resolution	3.5-inch (960 × 540 dots)
Display Area (mm)	77.76 (H) × 43.74 (V)
Number of Dots	960 (H) × 540 (V)
Pixel Pitch (mm)	0.081 (H) × 0.081 (V)
Contrast Ratio	800:1
Luminance (cd/m <sup>2</sup> )	400
Viewing Angle (CR>10)(°)	-85 to 85 (H), -85 to 85 (V)
Number of Colors	262k (6bit/color)
Color Gamut (NTSC; %)	72
Backlight Unit	LED
Electrical Interface	LVDS 6bit
Module Size (mm)	90.0 (W) × 57.0 (H) × 4.0 (D)*
Module Mass (g)	43
Operation Temperature (°C)	-20 to 70
Storage Temperature (°C)	-30 to 80

\*Without Flexible Printed Circuits (FPC)

## **Environmental Awareness**

The model is 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.

###

**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 4,323.0 billion yen (US\$ 36.0 billion\*) in the fiscal year ended March 31, 2015. For more information visit:

<http://www.MitsubishiElectric.com>

\*At an exchange rate of 120 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2015