

LCD Display Specifications:

1) 2-megapixel monochrome TFT LCD module with a three-color LED backlight system

Display mode	Amorphous silicon TFT active-matrix
Display size	Diagonal screen size of 21.3 inches (54 cm)
Pixel	Horizontal 1,600 x vertical 1,200 (1,920,000 pixels)
Dot	5,760,000 (dot)
Pixel arrangement	LCR vertical stripe
Pixel pitch	Horizontal 0.27 mm x vertical 0.27 mm
Display greyscale	256 greyscale per 1 subpixel
White chromaticity	P104 and P45-like
Luminance	White chromaticity P104: 930 cd/m ² TYP. White chromaticity P45-like: 1,000 cd/m ² typ.
Contrast ratio	TBD
Interface	LVDS 2-port
Viewing angle range	Horizontal: 170 degrees; vertical: 170 degrees typ. (contrast ratio at over 10:1)
Backlight	LED array type

**2) 3-megapixel monochrome TFT LCD module with 10-bit input/output
(part number NL204153BM21-xx)**

Display mode	Amorphous-silicon TFT active-matrix
Display size	Diagonal screen size of 21.3 inches (54 cm)
Pixel	Horizontal 2,048 x vertical 1,536 (3,145,728 pixels)
Dot	9,437,184 (dot)
Pixel arrangement	LCR vertical stripe
Pixel pitch	Horizontal 0.211 mm x vertical 0.2115 mm
Display grayscale	256 greyscale per 1 subpixel
White chromaticity	P104 and P45-like
Luminance	800 cd/m ² typ.
Contrast ratio	700:1 typ.
Interface	LVDS 4-port
Viewing angle range	Horizontal: 170 degrees; vertical: 170 degrees typ. (contrast ratio at over 10:1)
Backlight	CCFL type (edge light)

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3). 3-megapixel high-luminance color TFT LCD module
(part number NL204153AC21-03)

Display mode	Amorphous-silicon TFT active-matrix
Display size	Diagonal screen size of 21.3 inches (54 cm)
Pixel	Horizontal 2,048 × vertical 1,536 (3,145,728 pixels)
Dot	9,437,184 (dot)
Pixel arrangement	RGB vertical stripe
Pixel pitch	Horizontal 0.2115 mm × vertical 0.2115 mm
Display color	16,777,216 colors
Color gamut	72% typ. (against NTSC color space)
Luminance	450 cd/m ² typ.
Contrast ratio	400:1 typ.
Interface	LVDS 4-port
Viewing angle range	Horizontal: 170 degrees; vertical: 170 degrees typ. (contrast ratio at over 10:1)
Backlight	CCFL type (direct)