

**[Features]**

- Wide viewing angle
- Wide temperature range
- LVDS interface
- Reversible-scan direction
- Long life LED backlight<sup>\*1</sup> built in LED driver



|                                   |  |
|-----------------------------------|--|
| <b>Pixel</b>                      | 800(H) x 480(V)  |
| <b>Display area</b>               | 152.4(H) x 91.44(V)mm (7.0 inches (18cm) diagonal)       |
| <b>Display color</b>              | 16,194,277 colors  |
| <b>Pixel pitch</b>                | 0.1905(H) x 0.1905(V) mm                                 |
| <b>Luminance</b>                  | 500cd/m <sup>2</sup> (typ.)                              |
| <b>Contrast ratio</b>             | 800:1 (typ.)   |
| <b>Viewing angle<sup>*2</sup></b> | Up: 80°, Down: 80°, Left: 80°, Right: 80°                |
| <b>Response time<sup>*3</sup></b> | 8ms (typ.)   |
| <b>Signal system</b>              | LVDS 1port RGB 8-bit                                     |
| <b>Power supply voltage</b>       | LCD panel signal processing board:3.3V, LED driver:12.0V |
| <b>Power consumption</b>          | 3.0W (typ.)  |
| <b>Operating temperature</b>      | -30°C to +80°C   |
| <b>Storage temperature</b>        | -40°C to +80°C   |
| <b>Polarizer surface</b>          | Clear  |
| <b>Module size</b>                | W 170.0 (typ.) x H 111.0 (typ.) x D 9.0 (max.) mm        |
| <b>Weight</b>                     | 185g (typ.)  |
| <b>Backlight</b>                  | LED backlight  |
| <b>LED driver</b>                 | Built in   |

\*1: 100k hours long life LED

\*2: Contrast ratio ≥ 10:1

\*3: Ton+Toff (10%←→90%)

\*All information is subject to change without notice.

\*Screen images are simulated.

<Tianma Japan web site>

**Japanese** <https://www.tianma.co.jp/jp>

**English** <https://www.tianma.co.jp/en>