

# TVD170SXHL



TVD170SXHL is a rugged 17.0" LCD module developed with applications where durability and dependability are critical. We have incorporated our proprietary high-brightness LED backlight into TVD170SXHL to achieve unrivaled power efficiency and superior thermal management characteristics. The quality of our product is backed by years of experience in developing LCD displays for the avionics, industrial, and defense sectors.

## FEATURES

- ◆ High Resolution - SXGA
- ◆ High Brightness LED Backlight
- ◆ Sunlight Readable Brightness
- ◆ Thermal Dissipation Technology
- ◆ Low Power Consumption
- ◆ Fast Response Time
- ◆ High Contrast Ratio
- ◆ Easy Mounting

## CONTACT

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TRUE VISION DISPLAYS, INC.

## SPECIFICATIONS

|             |                         |                                       |                   |
|-------------|-------------------------|---------------------------------------|-------------------|
| Display     | Display Area            | 337.920 (H) x 270.336 (V)             | mm                |
|             | Pixels                  | 1280 (H) x 1024 (V)                   | pixels            |
|             | Pixel Pitch             | 0.264 (H) x 0.264 (V)                 | mm                |
|             | Display Color           | 16.7M (RGB 6-bits +Hi-FRC data)       | Colors            |
|             | Display Mode            | Normally White                        |                   |
|             | Response Time           | 5 (Optical)                           | msec              |
|             | Contrast Ratio          | 700:1                                 |                   |
|             | Luminance               | 1,000                                 | cd/m <sup>2</sup> |
| Backlight   | Viewing Angle           | L/R/U/D = 85/85/85/85                 | Deg               |
|             | Interface               | LVDS                                  |                   |
|             | Light Source            | High Bright LED Rails                 |                   |
| Power       | Life Time               | 40,000                                | Hr                |
|             | Connection              | Molex 50-37-5023 (2 pin Connectors)   |                   |
|             | LCD Power               | 5.25 (5.0V / 1.05A)                   | W                 |
| Environment | Backlight Power         | 14.75 (12.1V / 1.22A)                 | W                 |
|             | Total Power Consumption | 20                                    | W                 |
|             | Operating Temperature   | 0 ~ +50                               | °C                |
| Mech.       | Storage Temperature     | -40 ~ +60                             | °C                |
|             | Humidity                | 90                                    | %                 |
|             | Shock                   | 50 (20ms, Half Sine Wave)             | G                 |
|             | Vibration               | 10 – 200 Hz, 1.5G, 30min/axis         |                   |
| Option      | Outline Dimension       | 358.5(H) x 296.5(V) x 15.8(D)         | mm                |
|             | Weight                  | 2000                                  | gram              |
|             | Mounting                | 4x M3 screw holes (2 holes each side) |                   |
| Option      | Dimming                 | 0 ~ 100% Dimming with LED Controller  |                   |
|             | Touch Screen            | 5-Wires Resistive, Scratch Resistant  |                   |
|             | Glass Bonding           | Heater / EMI / Low Reflection / Touch |                   |

True Vision Displays, Inc.  
Committed to Quality and Environment.

