

TVD190SXHL



TVD190SXHL is a rugged 19.0" LCD module developed with applications where durability and dependability are critical. We have incorporated our proprietary high-brightness LED backlight into TVD190SXHL 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
- ◆ Fast Response Time
- ◆ High Contrast Ratio
- ◆ Compact Design.
- ◆ Easy Mounting

CONTACT

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TRUE VISION DISPLAYS, INC.

SPECIFICATIONS

Display	Display Area	376.32 (H) x 301.06 (V)	mm
	Pixels	1280 (H) x 1024 (V)	pixels
	Pixel Pitch	0.294 (H) x 0.294 (V)	mm
	Display Color	16.7M (RGB 6-bits +Hi-FRC data)	Colors
	Display Mode	Normally White	
	Response Time	5	msec
	Contrast Ratio	1,000:1	
	Luminance	800	cd/m ²
Backlight	Viewing Angle	L/R/U/D = 80/80/80/80	Deg
	Interface	LVDS	
	Light Source	High Bright LED Rails	
Power	Life Time	40,000	Hr
	Connection	Molex 50-37-5023 (2pin Connectors)	
	LCD Power	4.7 (5.0V / 0.94A)	W
Environment	Backlight Power	24.0 (12.0V / 2.0A)	W
	Total Power Consumption	28.7	W
	Operating Temperature	0 ~ +50	°C
Mech.	Storage Temperature	-20 ~ +60	°C
	Humidity	90	%
	Shock	50 (20ms, Half Sine Wave)	G
	Vibration	10 – 200 Hz, 1.5G, 30min/axis	
Option	Outline Dimension	396 (H) x 324 (V) x 17.8 (D)	mm
	Weight	1,670	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.

