

TVD035VHL-NV



3.5"

FEATURES

- ◆ T-BRITE® Technology
 - Unrivalled Power Efficiency
 - Superior Thermal Dissipation
 - Innovative Fault-tolerant LED Design
- ◆ High Brightness LED Backlight for Sunlight Readability
- ◆ NVIS: MIL-STD-3009 Class B
- ◆ Dual Mode for Day and NVIS
- ◆ Low Power Consumption
- ◆ Longer Lifetime
- ◆ High resolution - VGA
- ◆ Wide Temperature Range

CONTACT

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TRUE VISION DISPLAYS, INC.

TVD035VHL-NV is a rugged 3.5" NVIS-compatible LCD module developed with commercial and military applications in mind. This model features our proprietary T-BRITE technology for superior performance, high brightness LED backlight for sunlight readability, and NVIS mode for compliance with MIL-STD-3009. If your project requires a high-performance LCD display module with NVIS compatibility, look no further.

SPECIFICATIONS

Display	Display Area	72.0 (H) x 52.56 (V) (3.5 inch)	mm
	Pixels	640(H) x 480(V)	pixels
	Pixel Pitch	0.1125(H) x 0.1095(V)	mm
	Display Color	262,144 Colors	
	Display Mode	Normally White	
	Response Time	40	msec
	Contrast Ratio	400:1	
	Luminance	1,000	cd/m ²
	Viewing Angle	L/R/U/D = 50/50/15/35	Deg
Backlight	Interface	TTL (With AD Board)	
	NVIS Mode	MIL-STD-3009 Class B Neutral Density	
	Light Source	Dual Mode Backlight (Day Mode / NVIS Mode)	
Power	Lifetime	100,000	Hr
	Connection	Molex 52271-1029 (10 pins Zip type)	
	LCD Power	0.18 (3.3V / 54.5mA)	W
Environment	Backlight Power	0.84 (21.0V / 40mA)	W
	Total Power Consumption	1.02	W
	Operating Temperature	-20 ~ +70	°C
Mech.	Storage Temperature	-40 ~ +80	°C
	Humidity	90	%
	Shock	100 (6ms, 3 times each direction ±X ±Y ±Z)	G
	Vibration	10~55Hz, 6 Cycles for each Direction X, Y, Z	
Option	Outline Dimension	86.8(H) x 68.4(V) x 6.5(D) *except S/G board	mm
	Weight	59	gram
	Mounting	Compression Fit	
Option	Dimming	0 ~ 100% Dimming with LED Controller	
	Touch Screen	Resistive, Projected Capacitive, Scratch Resistant	
	Glass Bonding	Heater / EMI / Low Reflection / Touch Screen	

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

